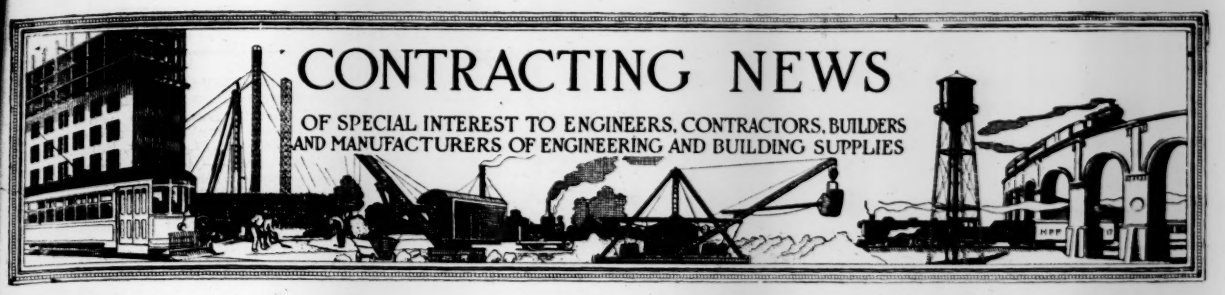
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 46 to 51 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Aug. 20.	Cumberland, Md. Advertised Aug. 2 to Aug. 16.	Aug. 9
Aug. 20.	Chicago Heights, Ill.	Aug. 9
Aug. 20.	New York, N. Y.	Aug. 16
Aug. 21.	Boston, Mass.	Aug. 16
Aug. 22.	Jackson, Mich. Adv. Aug. 16.	Aug. 16
Aug. 23.	Akron, O.	Aug. 16
Aug. 25.	San Francisco, Cali.	Aug. 2
Aug. 27.	Ottawa, Ont.	Aug. 16
Sept. 3.	Burlingame, Kan.	Aug. 16
Sept. 4.	Hamilton, Ont.	Aug. 16
Sept. 4.	Cumberland, Md. Adv. Aug. 9 and 16.	Aug. 9
Sept. 6.	Brockton, Mass. Adv. Aug. 16.	Aug. 16
Sept. 6.	Thomson, Ill. Adv. Aug. 16.	Aug. 16
Sept. 10.	Cumberland, Md. Adv. Aug. 16.	Aug. 16
Sept. 11.	New York, N. Y. Adv. July 12 and Aug. 16.	July 12

SEWERS

Aug. 16.	Cincinnati, O.	Aug. 16
Aug. 17.	Beloit, Wis.	Aug. 16
Aug. 18.	Bowling Green, O.	Aug. 16
Aug. 18.	Muncie, Ind.	Aug. 16
Aug. 20.	Camden, N. J.	Aug. 16
Aug. 20.	New Hampton, N. Y.	Aug. 9
Aug. 20.	Milford, Ia.	Aug. 9
Aug. 20.	New Haven, Conn.	Aug. 16
Aug. 20.	Marshalltown, Ia.	Aug. 16
Aug. 21.	Chicago, Ill.	Aug. 16
Aug. 21.	Seymour, Ia.	Aug. 16
Aug. 21.	Salt Lake City, Utah	Aug. 16
Aug. 21.	Columbus, O.	Aug. 16
Aug. 21.	Sharon, Pa.	Aug. 16
Aug. 22.	San Francisco, Cal.	Aug. 16
Aug. 24.	Cleveland, O.	Aug. 16
Aug. 30.	Mora, Minn.	Aug. 16
Sept. 4.	Cumberland, Md. Adv. Aug. 9 and 16.	Aug. 9
Sept. 15.	Hillsboro, Ill.	Aug. 16

BRIDGES

Aug. 17.	Somerville, N. J.	Aug. 16
Aug. 17.	Hampton, N. Y. Adv. Aug. 16.	Aug. 16
Aug. 20.	Angola, Ind.	Aug. 9
Aug. 22.	Troy, O.	Aug. 2
Aug. 24.	Spokane, Wash.	Aug. 16
Aug. 25.	Martinsburg, W. Va.	Aug. 9
Aug. 27.	Elberton, Ga.	Aug. 2
Aug. 28.	Hohenwald, Tenn.	Aug. 16
Aug. 28.	Rockville, Ind. Adv. Aug. 16.	Aug. 16
Aug. 28.	Channahon, Ill. Adv. Aug. 16.	Aug. 16
Aug. 29.	Columbus, O.	Aug. 16
Aug. 30.	Kankakee, Ill.	Aug. 2
Sept. 1.	Annapolis, Md.	Aug. 16
Sept. 1.	New Martinsburg, W. Va.	Aug. 16
Sept. 4.	Williamsport, Pa. Adv. Aug. 16.	Aug. 16
Sept. 11.	Bradentown, Fla.	Aug. 16

STRUCTURAL STEEL WORK

Aug. 21.	Albany, N. Y. Adv. July 26 and Aug. 2.	July 26

REINFORCED CONCRETE

Aug. 22.	Beatrice, Neb.	July 19

STREETS AND ROADS

Aug. 20.	Indiana	July 26
Aug. 20.	Indiana	Aug. 16
Aug. 20.	Washington	Aug. 2
Aug. 20.	Dubuque, Ia.	Aug. 9
Aug. 20.	St. Paul, Minn.	Aug. 9
Aug. 20.	California	Aug. 9
Aug. 20.	Nebraska City, Neb.	Aug. 9
Aug. 20.	Salmon, Idaho	Aug. 9
Aug. 20.	Louisiana	Aug. 16
Aug. 20.	Connecticut	Aug. 16
Aug. 20.	New York, N. Y.	Aug. 16
Aug. 20.	Muskegon, Mich.	Aug. 16
Aug. 20.	Danville, Ill.	Aug. 16
Aug. 20.	Sheridan, Wyo.	Aug. 16
Aug. 20.	Dorchester, Mass.	Aug. 16
Aug. 20.	Jefferson, Ia.	Aug. 16
Aug. 21.	Cape May, N. J.	Aug. 16
Aug. 21.	Salt Lake City, Utah	Aug. 16
Aug. 21.	Stone Harbor, N. J.	Aug. 2
Aug. 21.	Billings, Mont.	Aug. 9
Aug. 21.	Seattle, Wash.	Aug. 9
Aug. 21.	Jersey City, N. J.	Aug. 9
Aug. 21.	Massachusetts	Aug. 16
Aug. 22.	Baltimore, Md.	Aug. 16
Aug. 22.	Amite, La.	Aug. 16
Aug. 22.	Beloit, Wis.	Aug. 16
Aug. 22.	Oxford, O.	Aug. 16
Aug. 23.	Fulton, N. Y. Adv. Aug. 9.	Aug. 9
Aug. 23.	Burlington, Ia.	Aug. 16
Aug. 24.	Escanaba, Mich.	Aug. 16
Aug. 24.	Pennsylvania	Aug. 9
Aug. 24.	Uniontown, Pa.	Aug. 9
Aug. 24.	Lancaster, O.	Aug. 16
Aug. 25.	Indiana	Aug. 16
Aug. 27.	California	Aug. 16
Aug. 27.	Indiana	Aug. 16
Aug. 27.	Newark, N. J.	Aug. 2
Aug. 27.	Portland, Me.	Aug. 9
Aug. 27.	New Brunswick, N. J.	Aug. 16
Aug. 27.	Elizabeth, N. J.	Aug. 16
Aug. 27.	Little Falls, N. J.	Aug. 16
Aug. 27.	Los Angeles, Cal.	Aug. 16
Aug. 27.	St. Paul, Minn.	Aug. 16
Aug. 28.	Farmville, Va.	Aug. 16
Aug. 30.	New Brunswick, N. J.	Aug. 16
Aug. 30.	Oklahoma, Okla.	Aug. 9
Aug. 30.	Indiana	Aug. 16
Aug. 30.	Kingsport, Tenn.	Aug. 16
Aug. 30.	Pennsylvania Adv. Aug. 16.	Aug. 16
Sept. 1.	Scotsboro, Ala.	Aug. 16
Sept. 4.	Pittsburgh, Pa.	Aug. 16
Sept. 4.	Columbus, O.	Aug. 16
Sept. 4.	New Brunswick, N. J.	Aug. 16
Sept. 4.	Yazoo City, Miss.	Aug. 16

RAILWAYS

Aug. 30.	Pennsylvania Adv. Aug. 16.	Aug. 16

EXCAVATION AND DREDGING

Aug. 18.	Mora, Minn.	Aug. 16
Aug. 20.	Des Moines, Ia.	July 26
Aug. 20.	Owatonna, Minn.	Aug. 9
Aug. 20.	Glenwood, Minn.	Aug. 16
Aug. 20.	Greenock, Ont.	Aug. 16
Aug. 21.	Parton, Ill.	Aug. 9
Aug. 21.	Albany, N. Y. Adv. Aug. 16.	Aug. 16
Aug. 22.	Lamar, Colo.	Aug. 16
Aug. 22.	Sac City, Ia.	Aug. 16
Aug. 22.	Spencer, Ia.	Aug. 16
Aug. 24.	Memphis, Tenn.	Aug. 2
Aug. 28.	Winston-Salem, N. C.	Aug. 16
Aug. 30.	Detroit, Minn.	Aug. 16
Aug. 30.	Tallahassee, Fla.	Aug. 16
Oct. 2.	St. Cloud, Minn.	Aug. 2

INDUSTRIAL WORKS

Aug. 20.	New Hampton, N. Y.	Aug. 9
Aug. 31.	Seattle, Wash.	Aug. 16
Sept. 4.	Columbus, O.	Aug. 16

BUILDINGS

Aug. 20.	Brooklyn, N. Y.	Aug. 9
Aug. 20.	Tulsa, Okla.	Aug. 16
Aug. 21.	Laconia, N. H.	Aug. 16
Aug. 21.	York, Neb.	Aug. 16
Aug. 21.	Fairmont, Minn.	Aug. 16
Aug. 21.	Boston, Mass.	Aug. 16
Aug. 22.	Mattapan, Mass.	Aug. 9
Aug. 22.	Greensboro, N. C.	July 26
Aug. 22.	Modesto, Cal.	Aug. 2
Aug. 22.	Hamden, Conn.	Aug. 16
Aug. 23.	Boston, Mass.	Aug. 16
Aug. 23.	Raleigh, N. C.	Aug. 16
Aug. 24.	Mingo, Ia.	Aug. 16
Aug. 24.	New Brunswick, N. J.	July 26
Aug. 28.	Detroit, Mich.	Aug. 2
Aug. 28.	Dike, Ia.	Aug. 16
Aug. 28.	Hudson, Wis.	Aug. 16
Aug. 30.	Conde, S. D.	Aug. 16
Aug. 30.	Columbus, O.	Aug. 16
Aug. 30.	London, O.	Aug. 16
Sept. 1.	Lincoln, Neb.	Aug. 16
Sept. 1.	Elmira, N. Y.	Aug. 9
Sept. 1.	Milwaukee, Wis.	Aug. 9
Sept. 4.	Lakewood, O.	Aug. 16
Sept. 5.	Newton, Ia.	Aug. 16
Sept. 5.	Brooklyn, N. Y.	Aug. 16
Sept. 15.	Oklahoma, Okla.	Aug. 16
Sept. 15.	Spirit Lake, Ia.	Aug. 9

FEDERAL GOVERNMENT WORK

Aug. 20.	Washington, D. C.	Aug. 2
Aug. 20.	Phila., Pa.	Aug. 9
Aug. 20.	New London, Conn.	Aug. 9
Aug. 20.	Port Royal, S. C.	Aug. 9
Aug. 20.	Brooklyn, N. Y.	Aug. 16
Aug. 20.	Buffalo, N. Y. Adv. Aug. 16.	Aug. 16
Aug. 21.	Grand Haven, Mich. Adv. July 26 and Aug. 2.	July 26
Aug. 21.	Kendallville, Ind.	Aug. 16
Aug. 21.	Wash., D. C. Adv. Aug. 16.	Aug. 16
Aug. 24.	Memphis, Tenn. Adv. Aug. 16.	Aug. 9
Aug. 24.	Cohoes, N. Y.	Aug. 16
Aug. 25.	Charleston, S. C.	Aug. 9
Aug. 27.	Hingham, Mass.	Aug. 9
Aug. 27.	Washington, D. C.	Aug. 9
Aug. 27.	Phila., Pa.	Aug. 16
Aug. 28.	Detroit, Mich.	Aug. 2
Aug. 29.	Glenwood Springs, Colo.	Aug. 9
Aug. 30.	Franklin, Pa. Adv. July 26 and Aug. 2.	July 26
Aug. 31.	San Pedro, Cal.	Aug. 16
Sept. 3.	Kuahua, T. H.	Aug. 9
Sept. 4.	McKees Rock, Pa.	Aug. 9
Sept. 4.	Detroit, Mich. Adv. Aug. 9 and 16.	Aug. 9
Sept. 5.	Torrington, Wyo. Adv. July 26.	July 26
Sept. 5.	Washington, Ga.	Aug. 2
Sept. 5.	San Francisco, Cal. Adv. Aug. 9 and 16.	Aug. 9
Sept. 5.	Wash., D. C. Adv. Aug. 16.	Aug. 16
Sept. 6.	Forsyth, Ga.	Aug. 2
Sept. 12.	Long Island City, N. Y.	Aug. 9
Sept. 21.	Kendallville, Ind. Adv. Aug. 16.	Aug. 16

MISCELLANEOUS

Aug. 20.	Retaining Wall, Lebanon, O.	Aug. 16
Aug. 21.	Piers—Albany, N. Y. Adv. July 26 and Aug. 2.	July 26
Aug. 21.	Electric Railway — Phila., Pa. Adv. Aug. 16.	Aug. 16
Aug. 22.	Tunnels—San Francisco, Cal. Adv. July 19 and Aug. 9 and 16.	July 19
Aug. 25.	Incinerator—Paducah, Ky.	Aug. 2
Aug. 31.	Breakwater — St. John Harbour, N. B.	Aug. 16

WATER-WORKS

Proposed Work

Ga., Atlanta—City plans to build 48-in. concrete aqueduct 40-mi. long, gravity pressure to improve pumping plant. About $8,000,000. W. M. Gipp, city supt.

O., Dayton—(Official)—City rejected bids building 10,000,000-gal. reservoir in southeastern part of city.

Ill., New Athens—City voted $80,000 bonds to build water-works system. H. Kaiser, city supt.

Wis., Campbellsport—Village plans to install waterworks station and sewerage system.

Wis., Niagara—City defeated $35,000 bond issue to build water-works system. Noted Aug. 2.

Kan., Chanute — Atchison, Topeka & Santa Fe R.R. to build water-works plant in Neosho River to supply its engines at Chanute. About $82,000. R. A. Rutledge, Topeka, ch. engr.

Kan., Eureka—City plans to build water-works improvements. About $30,000. Black & Veatch, 507 Inter-State Bldg., Kansas City, Mo., engrs.

Kan., Kansas City—City having plans prepared 10,000,000 gal. reservoir, Argentine Hill. L. H. Chapman, comr. light and water.

Neb., Omaha—City plans to extend water-works line from Albright to Ft. Crook. Address City Engr., Bruce.

S. D., Centerville—City election Aug. 17 to vote on $20,000 bond issue to install waterworks system.

Mont., Ronan—City voted $16,000 bonds to build waterworks system.

Mo., Riverview Gardens (St. Louis P. O.)—Slking & Beckwith, agts. Riverview Gardens Realty Co., soon let contract, 3 mi., laying water pipes.

Tex., Rosebud — (Official)—City to sell $16,500 bonds to build waterworks. Z. A. Booth, mayor.

Tex., Wharton — See "Excavation and Dredging."

Okla., Frederick—(Official)—City plans to install 1 steam engine, 1 centrifugal pump. H. A. Pressey, city clk. Advertised in this issue.

Okla., Granite—City election Aug. 20, to vote on bond issue to build waterworks system. H. Arnett, city supt.

Okla., New Wilson—City plans to improve waterworks system. About $10,000.

Okla., Wilburton—City soon lets contract concrete dam and reservoir for water-works.

Okla., Woodward—See "Sewers."

Idaho, Boise—City soon lets contract repairing flume south of Warm Springs Ave., Cottonwood Gulch and Hull's Gulch, wooden or concrete flumes. About $15,000. J. L. Niday, 307 Overland Bldg., gen. mgr.

Wash., Seattle — City lets contract in October, building 40,000,000 gal. concrete reservoir in Volunteer Park. About $350,000; also 3 dams, concrete core walls at Swan Lake, first unit of over $3,000,000 worth improvements to be made this year. L. B. Youngs, supt. water. Noted July 26.

Wash., Tacoma—Pierce Co. Comn. granted franchise to F. C. Ross to build water-works system on tide-flats. About $25,000. J. Nichol, city supt.

Ore., Oswego—Pub. Serv. Comn. ordered Oswego Lake Water, Light & Power Co. to improve waterworks system, including building steel or cement caisson around spring, auxiliary pump and other additions to pump made, liquid chlorine purification system installed.

Cal., Corona—Kincheloe Ranch having plans prepared by A. C. Brawner, Higgins Bldg., Los Angeles, water-works system, including tunnels, submerged dams, and 3 mi. pipe line.

Cal., Filmore—City plans to build water-works plant. Address City Clk.

Cal., Fresno—Fresno Co. Comrs. granted franchise to A. Votaw, building, operating and maintaining waterworks system, Navelecia.

Ont., Aylmer—Carnation Milk Products Co., Ltd., soon lets contract, reservoir. About $25,000. W. H. Robinson, Aylmer, engr.

BIDS DESIRED

Mass., Boston—Until Aug. 21, by Comn. Waterways and Public Lands, 473 State House, 6 oil pressure operated sluice gates, 6 - 8 ft. each. J. N. Cole, chn. F. W. Hodgson, engr.

Mass., Brockton—(Official)—Until Sept. 6 by Sewerage Comn. furnishing 3 centrifugal pumps, 2 oil storage tanks, 3 fuel oil engines. A. F. Nordbeck, chmn. Advertised in this issue.

N. Y., New York—Until Aug. 20, by R. C. Harrison, comr. docks, Pier "A," Battery Pl., paving Marginal St. between West 44th and West 47th St., granite block, concrete foundation.

Md., Cumberland—(Official)—Until Sept. 10, by Evitts Creek Water Co., Cumberland, building additions to filtration plant. J. H. Fuertes, engr. Advertised in this issue.

O., Akron—(Official)—Until Aug. 23, by C. F. Beck, dir. pub. serv., Cont. No. 80, furnishing about 200 fire hydrants of from 6 to 8 in. Cont. No. 86, furnishing water meters about 5000 ¾-in., 210 ¾-in. to 2-in.

Mich., Jackson—(Official)—Until Aug. 29, by A. W. D. Hall, city mgr., building steam driven vertical, centrifugal pump 1 or more electrically driven deep well pumps and 2 electrically driven horizontal centrifugal pumps. Advertised in this issue.

Ill., Thomson—(Official)—Until Sept. 6, by F. J. Stransky, atty. Savanna and York Drain. Dist., Dist. Savanna, building pump house etc. N. D. French, secy. Advertised in this issue.

Minn., Mora—See "Sewers."

Kan., Burlingame—Until Sept. 3, by City, waterworks improvements. About $11,400. W. E. Estep, city supt.

Ont., Hamilton—(Official)—Until Sept. 4 (change of date) by city installing machinery, Beach Pumping Station. Noted July 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—City let contract laying water pipes, flexible steel joints, Boston Harbor between Long and Spectacle Island, to Bay State Dredging & Contg. Co., 247 Atlantic Ave., $19,610.

★**N. Y., New York**—(Official)—Bd. Water Supply, Municipal Bldg., let contract, furnishing and delivering gate and pressure-regulating valves, etc., to Coffin Valve Co., Neoponset St., Boston, $147,219. Noted July 26.

★**N. Y., Wyantskill** — Rensselaer Co. Tuberculosis Hospital let contract water-works system to Hyde & Baxter, 351 Madison Ave., Albany, $30,300. Noted May 24.

★**O., Akron**—City let contract, filtration plant to New York Continental Jewell Filter Co., 15 Broad St., New York City, $190,202; pipe, 30-in. main, portions East Buchtel Ave., to R. D. Wood & Co., Akron, smaller main pipes to Hardware Supply Co., Akron, $87,618. Noted June 21.

★**O., Toledo**—City let contract 30,000,000 gal. steam turbine centrifugal pump to Dravo-Doyle Co., Citizens Bank Bldg., $71,495; 225-ft. radial brick chimney to W. Hawley & Co., Toledo, $15,831; 2 automatic stokers to Sanford Riley Stoker Co., Worsenter, Mass., $8250.

★**Wis., Whitefish Bay**—City let contract waterworks system, laying 23,000 ft. water-works pipe to J. M. Donahue, Stevens Point, $65,000.

★**Kan., Chanute**—City let contract filtration plant, 2,000,000 gal. capacity to Chanute Constr. Co., Chanute, $100,000. Noted June 28.

★**Kan., Hays**—City let contract machinery equipment water-works system to Merkle-Hines Machinery Co., 508 Inter-State Bldg., Kansas City, Mo., $33,000; building and chimney to A. Jacobs, Hays, $12,000.

★**Okla., Lawton**—City let contract, pipe line from Lake Lawtonka, to Cannady Constr. Co., Tulsa, $75,000. Noted July 19.

★**Okla., Tulsa**—City let contract water-works improvements to Fogel Constr. Co., 515 Reliance Bldg., Kansas City, Mo., $666,000. Noted June 21.

★**Okla., Tulsa**—City let contract, laying 55,512 ft. of from 14- to 24-in. pipe from Lake Law-ton-ka to Ft. Sill and Lawton, to Cannady Constr. Co., Tulsa, $75,000. Noted July 26.

★**Que., Montreal South**—City let contract, water mains, valves, hydrants, sewers and manholes to J. Toussaint & Cie., Ltd., 83 Craig St., W., elevated steel tanks for waterworks to Chicago Bridge & Iron Works, 37 West Van Buren St., Chicago. About $180,000. Noted May 10.

SEWERS

Proposed Work

N. Y., Altamont—(Official)—Village soon lets contract building sewers and sewage disposal plant. W. W. Chadsey, 20 Swan St., Schenectady, engr.

N. Y., Scotia—Village voted $12,000 bonds to build sewage disposal plant.

N. J., South Orange—9 municipalities plan to build trunk line sewer. About $643,312. Address I. C. Dilks, South Orange.

Pa., Pittsburgh—City had plans prepared building alterations to sewage disposal plant. About $40,000. W. Skelton, city engr.

Ga., Savannah—Fort Wentworth Terminal Corp., 61 Broadway, New York, plans to build sewers, Port Wentworth. About $50,000. C. W. Leavitt, 220 Bway., New York, engr.

Fla., Palm Beach—Town voted $50,000 bonds to improve sewerage system. Address Town Clk.

Tenn., Nashville—City election Sept. 29 to vote on $1,000,000 bond issue to construct sewerage system. W. W. Southgate, city engr.

O., Canton—City to sell $70,000 bonds to build central southwest storm sewer. W. E. Sarver, city engr.

O., Cincinnati—City to sell $920,000 bonds to build Millcreek trunk sewer. F. Krug, city engr.

O., Cleveland—City plans to install sewers Woodhill Rd. and Tate Ave. R. Hoffman, city engr.

O., Lima—City to sell $855,000 bonds to construct intercepting sewers and sewage treatment plant. C. Bryan, city engr.

O., Youngstown—City plans sewers, Mill Creek and Southern Dist. About $1,000,000. F. M. Little, engr.

Ind., South Bend—City rejected bids Chestnut St. sewer. New bids soon.

Mich., Detroit—City plans to build sewerage system, block or brick. About $16,000,000. R. H. McCormick, city engr.

Ill., Oregon—City voted $200,000 bonds to build sewers and improve 4th St.

Wis., Burlington—City sold $13,000 bonds to construct sewers in Perkins Park and in east side of Fox River.

Wis., Campbellsport—See "Water-Works."

Minn., Dodge Center—City soon lets contract sewerage system. About $32,000. J. F. Druar, 312 Commercial Bldg., St. Paul, engr. Noted July 5.

Kan., Hutchison—Council passed ordinance creating Grand View Industrial Sewer Dist. G. L. McLane, city engr.

S. D., Mobridge—City sold $40,000 bonds to build sewers. Noted June 14.

Mo., St. Joseph—Bd. Pub. Wks. soon lets contract building sewer, Dist. No. 16. C. P. Hoff, city engr.

Tex., Austin—City election soon to vote on $315,000 bond issue to build sewage disposal plant and install fire alarm system. A. T. Dickey, city engr.

Okla., Sentinel—City election Aug. 18, to vote on $10,000 bond issue to build sewerage system.

Okla., Woodward—City election soon to vote on $42,000 bond issue to improve water-works, sewerage and light systems. F. H. Killburn, city supt.

Okla., Wynnewood—City election soon to vote on bonds to build sewerage system.

Colo., Trinidad—City voted July 23 in favor of issuing $30,000 bonds to build purification plant and extend sewer system. L. R. Douglas, city engr.

Cal., East San Diego—City plans to install sewerage system. Address Sanitary Engr., State Bd. Health, Sacramento.

Cal., Glendale—F. P. Newton Co., having plans prepared by Quinton, Code & Hill, engrs., Hollingsworth Bldg., Los Angeles, sewerage system, Selvas de Verdugo, a tract north of here.

N. S., Halifax—City plans sewer extensions. About $12,000. F. W. W. Doane, city engr.

BIDS DESIRED

Conn., New Haven — (Official) — Until Aug. 20, by F. L. Ford, city engr. building sewers and appurtenances, portions Hillside Pl., Eddy and Ivy Sts.

N. J., Camden—Until Aug. 20, by Highway Dept., building sewer, Copewood St. L. E. Farnham, city engr.

Pa., Sharon—(Official)—Until Aug. 21, by C. B. Lartz, boro. secy., building sewers and appurtenances, including about 8053 ft. of from 8- to 24-in. vitr. pipe or rein.con. pipe sewer, 34 manholes, 1170 cu.yd. rock excavation. G. Nicholls, boro. engr.

Tenn., Kingsport—See "Streets and Roads."

O., Bowling Green—(Official)—Until Aug. 18, by Dir. Pub. Serv., building sanitary sewers from Outlet 81, through Case and Merry Aves. to Thurston Ditch; also lateral sewer from Outlet No. 75 to Case Ave. Noted June 7.

Sewers (Continued)

O., Cleveland—(Official)—Until Aug. 24, by E. Shattuck, comr. purch. and supplies, constructing Sects. Nos. 4 and 5, intercepting sewer. R. Hoffinger, city engr.

O., Columbus—Until Aug. 21, by A. Borden, dir. pub. serv., sewers in various sts. H. Maetzel, city engr.

Ind., Muncie—(Official)—Until Aug. 18, by Bd. Pub. Wks., building 5th St. sewer No. 3 and Elbright sewer No. 1. J. R. Kelly, city clk.

Ill., Chicago—(Official)—Until Aug. 21, by Bd. Local Imprvs. building sewers and drains on various streets. E. J. Glackin, secy. J. Sinnan, city engr.

Ill., Hillsboro—Until Sept. 15, by W. D. P. Warren, city engr., building sewer extensions. About $12,000.

Wis., Beloit—(Official)—Until Aug. 17, by Pub. Wks. Com., building sewers, Sewerage Dist. B, portions Summit and Park Aves., including about 3740 ft. of 8-in. sewer, 14 manholes. G. E. Heebink, city engr.

Ia., Marshalltown—(Official)—Until Aug. 20, by A. A. Rosengren, city clk., building sanitary sewers in portions North 7th Ave., Fremont, Jerome, West Main, West Nevada, South 12th, South 7th, Turner, and May Sts.; also South 7th and South 9th Aves. W. H. Steiner, city engr.

Ia., Seymour—(Official)—Until Aug. 21, by J. W. Lowrey, city clk., building 2200 ft. of from 6- to 12-in. sewers and 2 disposal plants. M. G. Hall, Centerville, engr. Noted June 7.

Minn., Mora—(Official)—Until Aug. 30, by Ogilvie Village, Kannabeck Co., building sanitary sewerage and water-works systems, including sewage disposal plant and outfall sewers, etc. J. F. Druar, 312-316 Commercial Bldg., St. Paul, engr.

Minn., St. Paul—(Official)—Until Aug. 27, by H. W. Austin, purch. agt., building Jefferson-Cretin Sewer Dist. No. 2. O. Claussen, city engr.

Utah, Salt Lake City—(Official)—Until Aug. 21 (change of date) by G. Snow, city recorder, constructing pipe sewers, Sewer Extension No. 374, portions 3rd and 4th Aves. Noted Aug. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—L. H. Pounds, boro. pres. let contract building sewers in portions Vermont Ave., Crosby Ave., Bulwer Pl., Miller Ave., and Highland Blvd., to Kenmore Contg. Co., 6102 18th Ave. About $14,090.

N. J., Newark—Bd. Freeholders, Essex Co., received low bid, sewage disposal plant, Overbrook Hospital, from Sanitary Sewerage Treatment Co., Newark, $52,500.

★**Pa., Midland**—See "Streets and Roads."

★**Md., Hagerstown**—City Sewerage Comn. let contract, 4 mi. main sewers, and 3 mi. house connections, to H. C. Brooks Constr. Co., Martinsburg, W. Va., $111,777. Noted July 12.

★**Va., Abington City**—(Official)—City let contract constructing sanitary sewarage system to I. C. Mishler, 105 Spruce St., Chattanooga, Tenn., $24,600. Noted Aug. 9.

★**O., Cleveland**—Bd. Control let contract, outfall service, from East 140th to Lake, to American Constr. Co., 1552 Rockefeller Bldg., $360,000.

★**Ind., South Bend**—City let contract building sewer, Dunn and Howard Sts. to Staples & Ackerman, South Bend.

★**Cal., Folsom**—Dirs. Folsom Sanitary Dist. let contract, sewerage system and sewage disposal tank to Heafey & Tobin, Oakland, $20,948.

BRIDGES

Proposed Work

N. J., Mays Landing—Bd. Freeholders, Atlantic and Burlington Cos. preparing plans for 1100-ft. rein.-con. bridge, 15 ft. wide.

N. J., Mays Landing—State Highway Comn., Trenton, preparing plans 100-ft. rein.-con. bridge, Mays Landing Rd., 35 ft. wide.

Pa., New Castle—Lawrence Co. and Mahoning & Shenango Ry. plans bridge over Neshahannock Creek. About $66,000. R. T. Sullivan, Youngstown, ch. engr. ry.

Pa., Sunbury—Northcumberland and Union Cos. rejected bid for 2000 ft. rein.-con. inter-county bridge over Susquehanna River between Watsontown and White Deer. Noted July 12.

Va., Sulphur Mine—Mineral Belt R.R. plans to build rein.-con. bridge and trestle. B. Williams, pres.

W. Va., Point Pleasant—Baltimore & Ohio R.R. prepared plans for bridge over Great Kanawha River. H. A. Lane, Baltimore, ch. engr.

N. C., Asheville—City and Buncombe County plans 100-ft. bridge over French Broad River, 30 ft. wide, rein.-con. arches and girders. About $110,000.

Fla., Palmetto—City voted $15,000 bonds to build bridges. W. E. Mann, clk.

O., Columbus—Franklin Co. Comrs. sold $176,000 and $168,000 bonds to build rein.-con. bridges over Olentangy River at 3rd and Lane Aves., Clinton and Franklin Twps. J. Scott, clk. Noted July 19.

O., Lima—City sold $100,000 bonds to build bridges over Ottawa River. D. L. Rupert, aud. Noted June 7.

O., Miami—Troy Co. soon lets contract for rein.-con. bridge over Sweetwater River at Covington. About $18,000. L. P. Knoop, Troy, co. engr.

Ill., Kankakee—Illinois Central R.R. plans to build 4-track rein.-con. bridge over Kankakee River. A. S. Baldwin, Chicago, ch. engr.

Minn., Rochester—City soon receives bids for 50-ft. rein.-con. girder bridge, 79 ft. long, 20 ft. roadway, 33 ft. wood block floors. J. C. Utton, city engr.

N. D., Grand Forks—Grand Forks Co. Comrs. plan to build bridge over Red Lake River.

Mont., Great Falls—Cascade Co. plans election to vote on bonds to build 2 bridges, 1 to connect city proper with Little Chicago.

Mo., Palmyra—Marion Co. Comrs. plans to build 136-ft. bridge over Fabius River at Taylor.

Ark., Texarkana—Comrs. Red River Bridge Dist., Miller Co., plans 1200-ft. steel highway bridge, concrete floors. About $250,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Tex., Palestine—Texas State R.R. plans to build 13 bridges. J. B. Welborn, mgr.

★**Okla., Guthrie**—Logan Co. receiving bids about Sept. 1 building 15 bridges. About $25,000. A. A. Leer, clk. Peckham & Wilkins, 606 Majestic Bldg., Oklahoma City, engrs.

Okla., Oklahoma—Oklahoma Co. having plans prepared by H. C. Adams, engr., for 300 rein.-con. bridges and culverts, 10-, 40- and 80-ft. spans. About $383,000.

Okla., Poteau—See "Streets and Roads."

Okla., Wetumka—(Official)—Town sold $34,000 bonds to build bridges and roads. Noted Aug. 2.

Ore., Beaver—C. H. Purcell, state bridge engr., prepared plans 120-ft., rein.-con. viaduct over Beaver Creek, Tillamook Co.

Ore., Jacksonville—Jackson Co. soon receives bids building 126-ft. Howe truss bridge over Big Applegate Creek.

Ontario—See "Railways."

Ont., Galt—Canadian Pacific Ry. prepared plans for rein-con. bridge. About $20,000. J. M. Fairbairn, Montreal asst. ch. engr.

BIDS DESIRED

N. Y., Hampton—(Official)—Until Aug. 17 by E. S. Douglass, supt. highways, building rein.-con. arch bridge over Poultney River at Leonards; advertised in this issue.

N. J., Somerville—Until Aug. 17, by J. Dougherty, Somerset Co. engr., building rein.-con. arch bridge on Chimney Rd. Noted July 12.

Pa., Williamsport—(Official)—Until Sept. 4, by Bd. Comrs. Lycoming Co., building rein.-con. bridge over Susquehanna River at Duboistown; advertised in this issue.

Md., Rockville—(Official)—Until Aug. 28, by Montgomery Co. Comrs. building rein.-con. bridge over Big Seneca. J. R. Lewis, pres.; advertised in this issue.

W. Va., New Martinsburg—Until Sept. 1 by S. Meyers, Wetzel Co. clk., building I. D. Morgan bridge over Buck Run, Grant Dist., 32-ft. span, 40-ft. center line roadway; Mobley bridge over North Fork Fishing Creek, 40-ft. span, 14-ft. roadway; Wileyville Bridge over Hartley Run, Center Dist., 40-ft. span, 16-ft. roadway; T. A. Shuman Bridge over Steel Run, Center Dist., 55-ft. span, 16 roadways; B. F. Poe bridge over Raccoon Run, 20-ft. span, 27-ft. center roadway.

Fla., Bradentown—Until Sept. 11, by L. L. Hine, city clk., building bridge over Manatee River, between Bradentown and Palmetto, ¾ mi. long, 22 ft. wide, 18 ft. driveway. C. S. Hill, Palmetto, engr. Noted July 5.

Tenn., Hohenwald—Until Aug. 28 by Lewis Co. Highway Comrs. building 2 steel or rein.-con. bridges over Buffalo River and Swan Creek. E. Gallaher, secy.

Tenn., Kingsport—See "Streets and Roads."

Ohio, Columbus—(Official)—Until Aug. 29, by Bd. Comrs. Franklin Co., building Mound St. bridge over Scioto River, 1049 ft. long, 56 ft. wide, involving 24,000 cu.yd. concrete, 880,000 lb. reinforcing steel, 82,000 cu.yd. excavation. J. Scott, clk.

Ill., Channahon—(Official)—Until Aug. 28, by Dept. Pub. Wks., Springfield, building concrete pier and abutment, etc. L. D. Puterbaugh, dir.; advertised in this issue.

Minn., Mora—See "Excavation and Dredging."

Wash., Spokane—Until Aug. 24 by Spokane Co. Comrs. building steel highway bridge over Spokane River, Harvard Rd., 2 200-ft. steel riveted trusses, 1 concrete pier, 2 wing abutments, filled approaches. A. R. Scott, co. engr.

N. S., Annapolis—Until Sept. 1, by E. H. Armstrong, building steel bridge from Annapolis to Granville Ferry for Dept. Wks. and Mines, Provincial Government.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Dedham**—See "Streets and Roads."

Conn., Hartford—Bd. Contract and Supply received low bids (a) rein.-con. bridge over Park River, Prospect St., (b) bridge with retaining wall from F. D. Miller, Norwich, (a) $18,605 (b) $27,910; C. H. Slocomb, 5 Victoria Rd., (a) $20,107, (b) $30,233; Acme Eng. Co., 868 Main St., (a) $24,522 (b) $37,037.

★**N. J., Plainfield**—Bd. Freeholders, Union Co. let contract 50-span rein.-con. bridge, Norwood Ave. to F. W. Schwiers, Jr. Co., 90 West St., New York City.

★**Pa., Hamilton**—Philadelphia & Reading R.R. let contract steel bridge, New York Branch, to Amer. Bridge Co., Widener Bldg., Phila.

★**Pa., Hokendauqua**—City let contract repairing bridge over Lehigh River to Allentown Constr. Co., 11 North 11th St., Allentown, $89,300.

★**W. Va., Fairmont**—(Official)—City let contract South Side Bridge over Coal Run to J. F. Casey Co., Union Arcade, Pittsburgh.

★**Ga., Calhoun**—Bd. Comrs. Gordon Co. let contract 250-ft. steel drawbridge over Oostanaula River, to Austin Bros., 156 Greenwood Ave., Atlanta.

★**Ga., Dalton**—Bd. Co. Comrs. Whitfield and Murray Cos., let contract 144-ft. rein.-con. bridge over Conasauga River at Jones Ford to Champion Bridge Co., $10,450. Noted June 7.

★**O., Dayton**—Montgomery Co. let contract steel superstructure for bridge over Great Miami River to Brookville Bridge Co., Brookville, $114,700.

★**O., Norwalk**—Huron Co. let contract building bridges to E. K. Jennings, Fitchburg; McDonald & Woods, Norwalk, and A. Hayes, Wakemaw.

★**Mich., Carrolton**—Pennsylvania Detroit R.R. let contract bridge over Huron River near Carrolton to Illif Co., London, O.

★**Mich., Crystal Falls**—State Highway Comn. and Iron Co. let contract rein.-con. bridge at Iron River to J. W. Hoose, Iron Mountain and B. W. Hicks, Vulcan, $25,000.

★**Ill., Elgin**—City let contract building rein.-con. bridge over Fox River, Kimball St. to T. J. McCarthy, 220½ Main St., Davenport, $59,000.

★**Ia., Denison**—Crawford Co. let contract building bridges to Deloit Bridge Co., Deloit, $19,400; Des Moines Bridge & Iron Co., Des Moines, $19,690; O. H. Knief, $6500; T. A. Hickey, Vail, $8415; Lana Constr. Co., Council Bluffs, $5854.

★**Ia., Mason**—City let contract 2-span bridge over Willow Creek to Henkel & Brown, Mason City, $17,500.

★**Minn., Sleepy Eye**—Brown Co. let contract building 7 bridges over Judicial ditches Nos. 17 and 18 to Joliet Bridge & Constr. Co., 731 Metropolitan Life Bldg., Minneapolis, $16,890.

★**Neb., Geneva**—Fillmore Co. let contract for 2 40-ft. rein.-con. arch bridges to F. N. Graben, Exeter and J. W. Keupf & Son, Shickley. Noted June 28.

Mo., Independence—Jackson Co. received low bids building rein.-con. approaches to Athol Bridge from Halpin & Boyle, Kansas City, $14,780; J. W. Phillips, $16,257; J. A. Sheedy $17,787.

★**Ark., Little Rock**—City let contract repairing bridge to Missouri Valley Bridge & Iron Co., Leavensworth, Kan., $40,000.

Bridges (Continued)

★**Okla. Eufaula**—Jefferson Highway Bridge Co. let contract bridge over Canadian River to Midland Bridge Co., 504 Railway Exchange Bldg., Kansas City, Mo., $143,610. Noted July 19.

★**Colo., Denver**—Denver Co. let contract building 10 rein.-con. bridges to Colorado Bridge & Constr. Co., Denver, $28,965.

★**Wash., Kalama**—Cowlitz Co. let contract building bridge over Kalama River to R. C. Nieth, Portland.

★**Ore., Salem**—Marion Co. let contract steel bridge over Williamette River to Coast Bridge Co., Railway Exchange Bldg., and R. Wakefield, $237,401. Noted June 28.

★**Cal., Nicolaus**—Sutter Co. Supervs., Yuba City, let contract building bridge over Feather River to W. C. Duncan Constr. Co., Sharon Bldg., San Francisco, $118,516. Noted Aug. 2.

★**Cal., San Diego**—San Diego Co. let contract rein.-con. bridge over Sweetwater River to Holland Constr. Co., San Diego, $10,869.

★**Que., Montreal**—City let contract steel for bridge and appurtenances to Steel Co. of Canada, 1272 Notre Dame St., $78,887.

★**Que., Montreal**—City let contract building bridge, Church Ave., to Deaken Constr. Co., Ltd., 37 Mayor St., $78,887.

★**Que., St. Tite**—Village let contract steel for 4 bridges to Eastern Canada Steel and Iron Works, Ltd., St. Malo, $13,000.

★**Ont., Toronto**—Canadian Pacific R.R. let contract rein.-con. bridge to Wells & Gray, Confederation Life Bldg., $150,000.

STRUCTURAL STEEL WORK

Proposed Work

Ark., Texarkana—See "Bridges."
Ore., Jacksonville—See "Bridges."

BIDS DESIRED

Tenn., Hohenwald—See "Bridges."
Wash., Spokane—See "Bridges."
N. S., Annapolis—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Hamilton**—See "Bridges."
★**Ga., Calhoun**—See "Bridges."
★**O., Dayton**—See "Bridges."
★**Mich., Detroit**—See "Industrials."
★**Tex., Dallas**—See "Buildings."
Ore., Salem—See "Bridges."
★**Que., Montreal**—See "Bridges."
★**Que., Montreal South**—See "Water-Works."

REINFORCED CONCRETE

Proposed Work

N. J., Mays Landing—See "Bridges."
Va., Sulphur Mine—See "Bridges."
N. C., Asheville—See "Bridges."
Ga., Atlanta—See "Water-Works."
La., New Orleans—See "Industrials."
O., Columbus—See "Bridges."
O., Miami—See "Bridges."
Ill., Kankakee—See "Bridges."
Minn., Rochester—See "Bridges."
Okla., Altus—See "Miscellaneous."
Okla., Oklahoma—See "Bridges."
Ont., Galt—See "Bridges."

Bids Desired

N. Y., Hampton—See "Bridges."
N. J., Somerville—See "Bridges."
Pa., Williamsport—See "Bridges."
Md., Rockville—See "Bridges."
Tenn., Hohenwald—See "Bridges."
O., Columbus—See "Bridges."
O., Lebanon—See "Miscellaneous."
Ill., Channahon—See "Bridges."
Minn., Mora—See "Excavation and Dredging."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Conn., Hartford—See "Bridges."
★**N. J., Plainfield**—See "Bridges."
★**Ga., Dalton**—See "Bridges."
★**Mich., Crystall Falls**—See "Bridges."
★**Mich., Detroit**—See "Buildings."
★**Mich., Detroit**—See "Industrials."
★**Ill., Elgin**—See Bridges."
★**Neb., Geneva**—See "Bridges."
Mo., Independence—See "Bridges."
★**Colo., Denver**—See "Bridges."
★**Cal., San Diego**—See "Bridges."
★**Ont., Toronto**—See "Bridges."

STREETS AND ROADS

Proposed Work

Mass., Everett—(Official)—City voted Aug. 9 following street improvements: $50,000 to build streets, $65,000 for paving, $1500 to build sidewalks.

N. Y., Buffalo—City Council plans paving Soldiers Pl. About $13,500. G. H. Norton, city engr.

N. Y., Troy—(Official)—Rensselaer Co. to sell Aug. 21 $75,000 bonds to build roads. D. Runkle, co. treas.

N. J., Freehold—Bd. Freeholders, Monmouth Co., plans paving Church St. and Carr Ave., concrete, Keansburg.

N. J., Newton—Sparta Twp. Comn. plans building Sparta-Woodport Rd., Sussex Co. About $20,000. A. H. Konkle, engr.

N. J., Palmyra—Township Comn. plans paving Broad St., concrete.

N. J., Paterson—Bd. Freeholders Passaic Co. plans to improve 13 roads in Passaic, asphalt bituminous macadam. G. W. Botby, clk.

N. J., Paterson—Bd. Pub. Wks. plans improving Water, Fulton and Arch Sts., concrete, asphalt and granite block. H. J. Harder, city engr.

N. J., Somerville—(Official)—Somerset Co. Bd. Freeholders plans to improve road from Gladstone to Pottersville. About $10,000.

N. J., Trenton—City plans to widen East Hanover, North Montgomery and Chauncey Sts. in center of city. A. Swan, Jr., city engr.

Pennsylvania—(Official)—State Highway Comn., Harrisburg, received no bids paving Alleganey and Washington Cos. Noted July 19.

Del., Georgetown—County Comrs. plans $1,000,000 bond issue to build new roads, slag macadam, Sussex Co. Noted May 24.

Md., Annapolis—Anne Arundel Co. Comrs. soon lets contract concrete roadway, 20 ft., Church St., from Blvd. to Pennington Ave., connecting Brooklyn and Curtis Bay. About $20,000. E. T. Hayman, co. engr.

Va., Bristol—City to sell $20,000 bonds to build street improvements.

Va., Williamsburg—City plans to pave streets. About $15,000.

W. Va., Charleston—City soon lets contract paving portions Washington, Glen, Monongalia, Gardner, Watts, Spring and Kanawha Sts., and Delaware, Ruffner and Columbia Aves. M. J. McChesney, city engr.

W. Va., Charleston—City election Sept. 25, to vote on $400,000 bond issue to pave streets.

W. Va., Wayne—Wayne Co. election soon to vote on $1,000,000 bond issue to build roads.

W. Va., Wheeling—City plans $54,000 bond issue, improving streets. Address D. G. Brown, city clk.

N. C., Charlotte—City soon lets contract building 5 mi. roads between Camp Greene and city.

N. C., Hendersonville—City plans $180,000 bond issue, paving streets, asphalt.

N. C., Morgantown—Burke Co. Comrs. sold $50,000 bonds to build roads. Noted May 31.

S. C., Abbeville—County election, Aug. 7, defeated $300,000 bond issue to build roads. Noted May 17.

S. C., Pickens—Pickens Co. voted $250,000 bonds to build roads. C. L. Cureton, chn. highway comn.

Fla., Miami—Dade Co. plans election to vote on $140,000 bond issue improving roads and bridges. E. D. V. Burr, chn. bd. co. comrs.

Miss., Biloxi—City election soon to vote on $40,000 bond issue to resurface 6½ mi. streets.

La., Monroe—City election soon to vote on $200,000 bond isue to build roads. Address, Mayor.

Ky., Danville—City Council plans paving Wilderness Rd.

O., Batavia—Claremont Co. to sell $21,350 bonds Aug. 27 to improve roads. C. Searles, aud.

O., Cleveland—City plans to pave portions Lawn, East 103rd, East 74th, Pow, Joan and Bernard Sts. R. Hoffman, city engr.

O., Cleveland—City rejected bids paving Fairchild, Wilbur and East 167th St.

O., Dayton—City sold $186,500 bonds for paving Jefferson St., East 3rd St., Clifton, Manhattan, Oxford and Wroe Aves., Harvard Blvd. and Klee Court.

O., Xenia—City election soon to vote $17,000 bond issue to pave streets. J. P. Shumaker, city engr.

Indiana—(Official)—Co. Comrs. received no bids building roads as follows:

Indianapolis; gravel Rd., Warren Twp., L. K. Kesler, aud.

Brazil; stone and gravel road on line between Posey and Perry Twps. V. O. Graesser, aud. Noted July 26.

Ind., Terre Haute—Vigo Co. sold $13,500 bonds to regravel Bolton Rd., Fayette Twp.

Ind., Warsaw—(Official)—Kosciusco Co. to sell, Aug. 20, $45,668 bonds to build roads. A. J. Logan, treas.

Mich., Harrison—Lake Twp., Clare Co., election Aug. 20, to vote on $50,000 bond issue to improve roads.

Mich., St. Joseph—Berrien Co. soon receives bids paving several roads. Address Co. Clk.

Ill., Murphysboro—Jackson Co. plans to build 200 miles rock roads with state aid. About $680,000.

Ill., Oregon—See "Sewers."

Ill., Pekin—Tazewell Co. soon receives bids building 2 sect. state aid roads. About $10,761 and $6697 respectively. F. S. Cook, Mackinaw, supt. highways.

Wis., Fond Du Lac—(Official)—City rejected bids paving, grading portion Oshkosh Rd. Noted July 26.

Wis., West Allis—City plans to pave portions 68th, 55th, 56th, 57th and Greenfiels Aves. E. G. Orlurt, city engr.

Ia., Des Moines—City plans to pave new route to Camp Dodge, Douglas Ave., 5th St., 1¼ mi. About $66,000. J. Budd, supt. sts. K. Kastberg, city engr.

Ia., Waterloo—Blackhawk Co. Comrs. plans to extend 17 mi. roads, including 12 mi. between Voorhies and La Porte City, and portion Lincoln St., Cedar Falls connecting Cedar City and Cedar Falls.

Neb., Havelock—City voted $10,000 bonds to pave streets. A. Dobson, city engr.

Neb., Omaha—Douglas Co. Comrs. plans to repair road, 30 mi., macadam.

Mont., Butte—City soon lets contract following street work: Repaving Dist. No. 243, vitr. brick or creosoted wood block. About $21,901; relaying granite block paving and resurfacing bitulithic or asphaltic concrete, Dist. No. 245. About $8304; Dist. No. 244, repaving vitr. brick or creosoted wood block. About $16,176. J. J. Armstrong, city engr.

Missouri—State Highway Comn. Jefferson City having plans prepared building hard surfaced road, Montgomery Co., Trails Highway; also road, Mineola Hills.

Mo., New Madrid—New Madrid Co. voted $850,000 bonds to build roads. Noted Aug. 2.

Ark., Forrest City—St. Francis Co. Rd. Improv. Dist. No. 3, plans to improve roads. About $195,000.

Ark., Harrisburg—Poinsett Co. Comrs. plans to build 9 mi. highways, macadam. About $68,000.

Ark., Jonesboro—Craighead Co. Comrs. plans to build highway, 23 mi., macadam. About $148,000.

Ark., Perryville—Perry Co. Road Dist. No. 1 plans to build 35 mi. road; main highway part, Mammoth Spring to Hot Springs route. About $87,500. D. M. Wallace, pres.

Ark., Rison—Cleveland Co. Comrs. plans to build roads in Dist. No. 1 from Jefferson Co. line south to Kingsland and Rison, 22 mi. gravel. About $126,000.

Tex., Cameron—State Atty. General's Dept. sold $20,000 bonds to build roads in Milam Co. Rd. Dist. No. 7 and $15,000 bonds, same purpose, Rd. Dist. No. 12. Noted Aug. 2.

Tex., Cold Springs—San Jacinto Co. voted $75,000 bonds to build roads, Rd. Dist. No. 4. Noted July 19.

Tex., Crockett—Houston Co. plans election Aug. 21 to vote on $100,000 bond issue improving roads.

Tex., Dallas—City plans to pave Gaston Ave. About $50,000. H. Moseley, city engr.

Tex., El Paso—City had plans prepared paving portions Bassett Ave. About $39,503. G. Eppy, city engr.

Streets and Roads (Continued)

Tex., **Pittsburgh**—(Official)—Camp Co. Leesburg and Newsome precincts, Road Dist. No. 2, voted, Aug. 6, on $35,000 bond issue, improving highways. M. L. Minter, co. engr. Noted July 26.

Okla., **Atoka**—Atoka Co. election Aug. 2, to vote on $30,000 bond issue to build roads and bridges. G. Marlow, clk.

Okla., **Bartlesville**—City plans paving and resurfacing several streets. J. McMullen, supt. streets.

Okla., **Clinton**—City soon lets contract, paving 30,000 yd. Dist. No. 3. About $85,000. R. Bennett, city clk. Benham Engr. Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., **Guthrie**—Logan Co. having plans prepared by Peckham & Wilkins, Engrs., 606 Majestic Bldg., Oklahoma, for 2 mi. hard surface road and 28 mi. dirt road. About $50,000. A. A. Leer, clk.

Okla., **Oklahoma City**—Oklahoma County plans building 100-mi. road. About $100,000. T. Bodine, city clk.

Okla., **Poteau**—LeFlore Co., voted $20,000 bond issue for building roads and bridges, Page Twp.

Okla., **Wetumka**—See "Bridges."

Idaho—State Highway Comn., Boisé, soon lets contract building road between New Meadows and Grangeville. About $1,000,000. Address State Highway Engr., Booth.

Idaho, Cottonwood — Cottonwood Highway Dist. voted $50,000 bonds to build roads.

Idaho, Ferdinand—Idaho Co., Ferdinand Highway Dist. voted $25,000 bonds to build highways.

Idaho, Rexburg — City plans to pave, grade, and drain Main, 3rd and other streets. About $93,000. H. M. Sundberg, city engr.

Wash., Bellingham—City plans to pave portions Cherry St., asphalt, concrete or some other hardsurfacing material. About $18,000. C. Lindberg, city engr.

Wash., Mt. Vernon—Skagit Co. Comrs. having plans prepared, paving Cook Rd., 4.1 mi. 16 ft., one course concrete, from Sedro Wooley. About $78,850. W. E. Costello, co. engr.

Wash., North Yakima—Co. Comrs. plan to complete 24 mi. McClellan Pass Highway. About $100,000. Address G. F. Catterill, state highway engr., Olympia. Noted Apr. 26.

Wash., Okanogan—Council passed ordinance, paving P and other streets. About $10,000.

Wash., Seattle—King Co. Comrs. having plans prepared paving road from Enumclaw toward Seattle, 2 mi., concrete. About $30,000; also Hollywood Farm to Redmond, 1 mi. concrete. About $16,000. S. J. Humes, co. engr.

Wash., Seattle—City had plans prepared paving and grading 17th Ave., S. About $114,000. A. H. Dimock, city engr.

Wash., Spokane—Spokane Co. Comrs. granted permission paving Mullinix Rd., Cheney Twp., 15 mi. About $75,000.

Oregon—State Highway Com., Salem, soon lets contract Bend-La Pine highway. About $17,000.

Ore., Coquille—Coos Co. Court soon receives bids macadamizing road between Empire and South Inlet bridge. About $12,000.

Ore., Myrtle—City soon lets contract paving portions 1st St. About $15,000.

Ore., Roseburg—Douglas Co. Court plans improving Pacific Highway between Roseburg and Lane Cos., with state aid. About $200,000.

Cal., Modesto—City defeated $40,000 bond issue to pave streets. Noted July 5.

Cal., Riverside—County Supvrs. plan $34,000 appropriation, building highways, either Coachella Valley or Corona Elsinore road projects.

Cal., Sacramento—City sold $3,000,000 California state highway bonds to Natl. City Co. of California.

Ont., Ottawa—Comrs. of Wks. plans paving several streets. About $13,000.

Ont., Sandwich, West Twp.—Twp. Council plans paving Bridge Ave. About $19,950. E. Bondy, twp. clk.

Ont., Toronto—City plans to pave Dundas St. from Ossington Ave. to Lansdowne Ave., asphalt. About $70,000.

BIDS DESIRED

Massachusetts—(Official)—Until Aug. 21, by State Highway Comn., Boston, paving in following towns: Randolph, Malden, Melrose and Saugus, 6100-ft. Fitchburg, 13,400-ft., Egremont-Sheffield, 13,900-ft. W. D. Sohier, member.

Mass., Dorchester—Until Aug. 20, by Dept. Pub. Wks. paving Dorchester Ave., granite block.

Connecticut—(Official)—Until Aug. 20, by C. J. Bennett, state highway comr., Hartford, for following road improvement: Waterford Twp., Niantic Rd., 3500 lin.ft., grading. A. W. Bushell, Thayer Bldg., Norwich, div. engr. Stratford Twp., Barnum Ave., Hassam or rein.-con. 7300 lin.ft. Cheshire Twp., South Main St., concrete, 16,273 lin.ft. Camden Twp., Whitney Ave., 1633 lin.ft., concrete. E. C. Welden, Chamber Commerce Bldg., New Haven, div. engr.

N. Y., New York—Until Aug. 20, by W. Williams, comr. Water Supply, Gas and Electricity, Municipal Bldg., building filter beds, removing and placing sand on existing filter beds at Mt. Kisco sewage disposal plant.

N. J., Cape May—Until Aug. 21 by Co. Comrs., building stone road through Stone Harbor. L. M. Rice, Wildwood, co. engr.

N. J., Elizabeth—Until Aug. 27, by Bd. Freeholders, Union Co., paving Morris Ave., Summit, 3675 sq.ft., 22 in. wide, bituminous concrete surface pavement on cement, concrete base, Westfield Ave., Rahway, vitr. brick on cement mortar bed and improving Mountain Ave., east sect., Mountainside, Westfield P. O., bituminous concrete on concrete foundation, 25,901 sq.yd. paving. J. L. Bauer, co. engr.

N. J., Little Falls—Until Aug. 27, by Twp. Comn., building pumping station, repairing amiesite pavement, Main St. and Paterson Ave., and grading sidewalks Main St. and Fairfield Rd.

N. J., New Brunswick—Until Aug. 27, by Bd. Freholders, Middlesex Co., repairing and reconstructing Rahway Ave., Roosevelt Sect. 2, warrenite surface on rebuilt macadam base and 21,930 yd. paving. A. Atkinson, city engr.

N. J., New Brunswick—Until Aug. 30, by Boro. Council, Middlesex Co., repairing Riva Ave., Milltown, concrete gutters, macadam with Tarvia X top dressing. C. Baurles, acting mayor.

N. J., New Brunswick—Until Sept. 4, by Bd. Comrs. paving Remsen Ave. and Comstock, Brown, Townsend and Condict Sts. A. Atkinson, city engr. Noted July 26.

Pa., Pittsburgh—(Official)—Until Sept. 4 by Co. Comrs., grading and paving 15 roads in various twps., involving about 96,555 ft. grading. J. P. Moore, co. controller.

Md., Baltimore—Until Aug. 22, by City, grading, curbing and paving portion Weldon Ave., including 2000 sq.yd. sheet asphalt, 1600 lin.ft. armored concrete curb, 250 sq.yd. vtr. brick. J. H. Robinette, pres. R. M. Cooksey, city engr.

Va., Farmville—Until Aug. 28, by City, paving several streets, concrete or asphalt block paving. W. M. Platt, Durham, N. C., engr.

Ala., Scottsboro—Until Sept. 1, by Jackson Co. Comrs. macadamizing part State Trunk Rd. No. 4, between Woodville and Limrock. About $10,000. W. S. Keller, state highway engr.

Louisiana—Until Aug. 20, by State Highway Comrs. building East Baton Rouge Parish, 2.6 mi. Lincoln, 14.32 mi. D. Bule, state highway engr.

Louisiana — (Official) — Until Sept. 4 (change of date) by Highway Dept. Bd. State Engrs., Court Bldg., New Orleans, building 33-mi. road, Rd. Dist. No. 1, Coupee Parish, gravel. F. M. Kerr, ch. engr. Noted Aug. 2.

La., Amite—Until Aug. 22, by Bd. Supervs. Road Dist. No. 4, Tangipahoa Parish, grading, bridging and graveling 3.3 mi. Kentwood Rd., east and west, grading and bridging 4.36 mi. and graveling 3.86 mi., Tangipahoa Rd., east and west. Noted July 19.

Tenn., Kingsport—Until Aug. 30, by W. R. Pouder, city mgr., paving, building sidewalks, and curbs, laying sewer drains, building rein.-con. bridges, including 49,896-sq.yd. paving, asphalt, wood block, or concrete. 21,808-lin. ft. curb and gutter, 16,858 lin.ft. sidewalks.

O., Columbus—(Official)—Until Sept. 4, by Bd. Trustees Ohio State University, macadam roadway, 4560 sq.yd. C. B. Steeb, secy.

O., Lancaster—(Official)—Until Aug. 24, by City, paving portion West Wheeling St., including 10,660 sq.yd. brick, 4900 ft. curbing, 560 ft. backing, 610 lin.ft. steel foundation, concrete curbing, etc. About $22,500. J. Griggs, city engr. Noted May 10.

O., Oxford—(Official)—Until Aug. 22, by D. P. Beaton, village clk., paving High St., 4500 sq.yd. surface, 5100 lin.ft. concrete curb and gutter. L. A. Boulay, 1248-51 Nicholas Bldg., Toledo, engrs.

Indiana—By Co. Comrs. building roads, as follows: Aug. 20: Vigo Co., Terre Haute, gravel road, Nevins Twp.; T. Ferguson, aud. Aug. 25: Marion Co., Indianapolis, improving road, Warren Twp.; L. K. Fesler, aud. Bartholomew Co., Columbus, gravel roads, German and Flatrock Twps. W. H. Scott, aud. Aug. 27: Vanderburgh Co., Evansville, building and improving road, Armstrong Twp.; C. P. Beard, aud. Aug. 30: Madison Co., Anderson, bituminous concrete road, Anderson Twp.; E. T. Flahavin, aud.

Mich., Escanaba—Until Aug. 24, by C. E. Anderson, town clk., paving portions Stephenson Ave., 15,970 sq.yd. bitulithic W. J. Hodson, city engr. Noted July 26.

Mich., Muskegon—Until Aug. 20, by Gasnovia Twp. Bd., grading and graveling 15 miles roads.

Ill., Danville—(Official)—Until Aug. 20, by Highway Comn., Carroll Twp., Vermillion Co., paving 13,000 sq.yd. concrete or asphalt; also 5547-sq.yd. plain macadam, 3450 sq.yd. reinforcing metal for Indianola. S. K. Van Fleet, town clk., Indianola.

Wis., Beloit—Until Aug. 22, by W. T. Ball, Bd. Pub. Wks., grading and macadamizing 11th St. G. E. Heebink, city engr.

Ia., Burlington—(Official)—Until Aug. 23, by E. P. Weinstein, city clk., paving Bluff Rd., 1 mi. 2-course concrete; portion Main St., brick, 6-in. concrete foundation. C. E. Waterhouse, city engr.

Ia., Jefferson—Until Aug. 20, by Greene Co. Aud., grading Sect. 14; Dana grand junction, Sects. 84, 85 and 86, Jefferson Bagley Rd.

Minn., St. Paul—(Official)—Until Aug. 27, by H. W. Austin, city purch agt., grading portions Bison, Jefferson and Greenwood Aves., Fulham and Sue Sts.; also graveling portions Tatum Ave., paving Minnesota Ave., creosoted wood block. O. Claussen, city engr.

Wyo., Sheridan—Until Aug. 20, by T. A. Morris, city clk., improvements in paving Dist. No. 7, including portion Loucks and Works Sts., 2-in. standard bitulithic or gravel bitulithic, on present foundation. About $53,621. A. Tschirgi, city engr.

Utah, Salt Lake City—Until Aug. 21, instead of 14, by City Recorder, paving Virginia and Alta Sts. and 3rd and 4th Aves., also grading curb, gutter and pavement of Pavement Extension No. 137. Noted Aug. 2.

California—(Official)—Until Aug. 27, by State Highway Comn., Sacramento, paving roads in Contra Costa Co., between Hercules and Eckley, 5.7 mi., portland cement, involving 17,000 cu.yd. excavation, 5680 cu.yd. Class A, portland cement, 1350 cu.yd. Class C, between Eckley and Martinez, 7 mi. same material; Los Angeles Co., between Castaic School and Kay Ranch, 3.8 mi., portland cement, involving 8500 cu.yd. excavation, 4800 cu.yd. Class A portland cement. N. D. Darlington, member.

Cal., Los Angeles—Until Aug. 27, by Bd. Pub. Wks., furnishing asphaltic cement for 1 year. H. B. Ferris, secy.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Dedham** — Town let contract building highway and 2 bridges, Bussey St., to Clark & Gore, 11 Montague St., Dorchester, $26,000. Noted Aug. 9.

★**N. Y., Buffalo**—City let contract paving Mills St., 28 ft. wide, to German Rock Asphalt Co., Morgan Bldg., $21,420.

N. Y., New York—M. M. Marks, boro. pres. received low bid regulating and repaving roadway, Broadway from 137th to 155th Sts., sheet asphalt, concrete foundation from, Dabney Asphalt Co., 52 Vanderbilt Ave., $40,481. Asphalt Constr. Co., 2197 Madison Ave., $40,866, Sicilian Asphalt Paving Co., 41 Park Row, $41,481. Noted Aug. 2.

N. Y., New York—(Official)—Bronx Parkway Comn. received low bids paving portion Bronx River Pkway, (a) asphalt block, (b) bituminous concrete, from Hastings Paving Co., 25 Broad St., (a) $19,833; Union Paving Co., 120 Bway., (b) $20,955. Noted July 26.

★**N. J., Flemington**—Henderson Co., Bd. Freeholders let contract paving road from West Portal to Bristols Corner 2½ mi. macadam, to W. R. Moore, Far Hills, $12,666. Noted June 28.

★**N. J., Harrison**—Town Council let contract paving Warren and Ann Sts., to Standard Bitulithic Co., 31 Clinton St., Newark.

★**N. J., Kearney**—Bd. Pub. Wks. let contract, warrenite paving, Morgan Pl., to Standard Bitulithic Co., 31 Clinton St., Newark. About $20,930.

Streets and Roads (Continued)

★**N. J., Mt. Holly**—Bd. Freeholders let contract, paving, asphalt, Burlington Co. sect. of Moorestown-Camden Turnpike. About $80,000. Noted July 19.

N. J., Orange—City Comn. received low bids, paving Berkeley Ave., asphalt block on concrete, from Hastings Pavement Co., 25 Broad St., New York City, $32,345, J. J. Geiger, 83 Hartford St., Newark, $36,512, and Ralhp San Giovanni, 128 Warren St., Newark, $37,540.

Pennsylvania—(Official)—State Highway Comn. Harrisburg received low bids building roads in counties as follows: (a) Cambria involving various twps. (1a) East Taylor and Jackson Twps., 11,070 ft., vitr. brick; (1b) East Taylor Twp., 9878 ft. vitr. block; (1c) Jackson Twp., 11,975 ft. vitr. block; (b) Luzerne, (c) Lehigh, (d) Dauphin, (e) Lackawanna, from G. T. Morgan, Johnstown, (1a) $90,053, (1b) $77,541; Shiesley & Janney, Johnstown, (1a) $99,857, (1b) $85,940; Mainwaring & Cummins, Inc., Phila., (1a) $132,986, (1c) $127,934; E. H. Brua, Hollidaysburg, (1b) $84,866; Gibbons & Bentley, Phila., (b) $51,135; O'Brien Bros., 920 North Mam St., Avoca, $51,178; D. M. Rosser, Kingston, $66,249; (c) J. C. Bentley, Elizabeth, N. J., $78,305; (d) F. J. Reilly, Lancaster, $17,888; Stucker Bros. Constr. Co., Harrisburg, $18,692; (e) M. Stipp & Sons, 435 Moir Court, Scranton, $82,027. Noted July 19.

★**Pa., Midland**—City let contract grading, paving and building sewers to L. B. Markley, Rochester, $67,000.

Pa., Pottsville—City received low bid paving Center St., North and South, from J. B. Trexler, Reading, $4.15 per sq.yd.

Pa., Somerset—Somerset Co. Comrs. received only bid building Brotherton-Berlin Rd. from D. E. Keller, Somerset. Noted July 19.

★**Md., Annapolis**—Anne Arundel Co. Comrs. let contract resurfacing portion Patapsco Ave. to Anthracite Stone Co., Baltimore, $12,000.

★**W. Va., Williamson**—(Official)—Mingo Co. let contract, 35 mi. road, earth, involving 26,000 cu.yd. excavation, 2000 cu.yd. masonry and concrete, to Vaughan Constr. Co., Shawsville, Va. Noted July 12.

★**S. C., McCormick**—(Official)—McCormick Co. Comn. let contract grading and building drainage structures on 70 mi. highway to Ross & Plott, Greensboro, N. C., $121,009. Noted July 12.

★**Ala., Gadsden**—City let contract paving portion Chestnut St. to Morgan & Co., curbing and guttering to C. O. Duncan. Noted Aug. 2.

★**Miss., Friar Point**—(Official)—City let contract, building 120,000 sq.ft. concrete sidewalks to Oxford Concrete Co., 901 Mississippi Ave., Greenwood, $11,700. Noted Aug. 2.

★**Miss., Yazoo City**—Yazoo Co. Comrs. let contract building roads Dist. No. 3 to Healy Constr. Co., Meridian; 2½ mi. beginning Yazoo River Bridge, to Southern Constr. Co., Yazoo. Noted Apr. 26.

★**O., Cleveland**—Bd. Control let contract improving and paving portions Clark Ave. to Rieley Bros., 348 Arcade, $23,236; Lakeside Ave. to Bentley Bros, Co., 410 Electric Bldg., $15,395.

★**O., Columbus**—City let contract grading, paving and curbing Portion Livingston St., and Macon Alley to G. Geigele & Son, 52 East Fulton St., $14,213.

★**O., Coshocton**—(Official)—Ashman, serv. dir., let contract paving 18,000 sq.yd., Sycamore and 3rd Sts., brick, to J. F. Cockran, Coshocton. Noted Aug. 2.

★**O., Dayton**—City let contract, paving Pitts and Foundry Sts., to Ellsworth Brentlinger. About $12,000 or $15,000. Noted Aug. 2.

★**O., Dayton**—City let contract, paving East 3rd St. to Finke Eng. Co., Dayton, $2.85 per sq.yd. Gillipsie Ave., wood block, to E. Murray, Dayton, $2.76 per sq.yd.

★**O., Findlay**—City let contract paving West Lincoln St., Nelsonville Brick, to Paul & Sons, Findlay.

O., Mt. Vernon—City received low bids, paving Wooster Ave., brick, from A. A. Graham, $14,107. Noted Apr. 12.

★**O., Toledo**—City let contracts paving, Dorr St., 36 ft., creosote wood blocks, to Russell & Jennison Co., $80,500; Superior St., creosote wood blocks, to Peters Bros. Co., $23,440; York St., brick, to M. F. O'Sullivan, $53,347; Chestnut and Paxton Sts. and Homewood Ave., sheet asphalt, to J. Horan, $28,990, $28,425 and $29,214 respectively; Colburn St., rein.-conc., to P. H. Waters, $10,035, and Bishop St., brick, to McKinney Bros., $12,149. Noted July 12.

★**Indiana**—(Official)—Co. Comrs. let contract building roads as follows:

Rushville; gravel road, Posey Twp., to Lawrence & Ennis, Arlington, $6869. Valparaiso; 2.07- and 2.02-mi. road Center Twp. to G. McGillicuddy, $14,350, and Green & Coplin, $15,900, both of Valparaiso.

Franklin; gravel road, Blue River Twp., to Farr & Porter, Edensburg, $8350.

South Bend; cement road, Penn Twp. to Ruth Constr. Co. Goshen, $32,000.

Cannelton; macadam road, Troy Twp. to C. Panlin Co., Cannelton, $6999.

Wabash; 2 roads, Chester Twp. to Grossnickle Constr. Co., North Manchester, $28,980 and $11,000 respectively.

Columbus; 11,712-ft. gravel road, Flatrock Twp. to D. H. Falout, 2010 West Washington St., Indianapolis, $6990.

Kokomo; stone road, Clay Twp. to F. H. Null, Winfall, $3486.

Renselaer; stone roads. Carpenter and Marion Twps. to M. I. Adams, Rensselaer, $7987.

Rockville; stone and gravel roads, Penn and Adams Twps. to J. Killigan, Bloomingdale, and C. Ireland, Rockville. Noted July 26.

★**Ind., Albion**—Noble Co. let contract, brick highways, to Northern Constr. Co., Ekhart, and Gripe & Seaman, Goshen. About $177,500.

★**Ind., Ft. Wayne**—City let contract paving portion Coombs, Garden, Liberty, Osage, Wildwood Sts., and Lake Ave., bituminous concrete, Grace and Kinnard Aves., Lasselle and Webster Sts., sheet asphalt, to Grace Constr. Co., 1702 Winter St.; Wall St., brick, to Moellering Constr. Co., Murray St. Noted Aug. 9.

★**Ind., Logansport**—Bd. Pub. Wks. let contract improving portion Seybold and Helm Sts., to Palmer & Moore, Logansport, 49c. per cu.ft. curb and gutter, 12c. per sq.ft. sidewalks, 65c. gravel repairs. Noted July 5.

★**Ind., South Bend**—Bd. Pub. Wks. let contract paving 12,058 sq.yd. aztec asphaltic concrete, to Willeston Constr. Co., P. O. Box 446, $24,050.

★**Mich., Bay City**—City let contract resurfacing portion Center Ave., asphalt concrete, to Trinidad Paving Co., 3407 Trumball St., Cleveland, $1.10 per sq.yd.

★**Illinois**—State Highway Comn., Springfield, let contract following road work: Kankakee Co., Kankakee, Sect. H, waterbound macadam to F. L. Shidler, Kankakee, $10,934; Sect. I, concrete, to Goggin Constr. Co., Arcola, $10,469; Ogle Co., Oregon, Sect. D, concrete, to Dronnin & Clark, Box 286, Galesburg, $19,115.

★**Ill., Bloomington**—City let contract to I. D. Lain, Bloomington, portion Grove St., brick with stone curb. About $30,105.

★**Ill., Joliet**—City let contract paving and improving various streets and Michigan Pl., brick and bituminous to F. F. Conway Co., Chamber of Commerce Bldg., Chicago, $2.10 per sq.yd.

★**Ill., Mattoon**—Twp. Comrs. Highways let contract building 2 mi. pavement involving 1900 cu.yd. excava. and 9786.7 sq.yd. monolithic brick paving to James & Thornton.

★**Ill., Rockford**—City let contract building pavement, 21,112 sq.yd., concrete, macadam shoulders, to Hart & Page, 110 North Court St., $33,016. Noted Aug. 9.

★**Wis., Eau Claire**—Eau Claire Co. Comrs. let contract, road work, to J. Godder, Fairchild, $50,000.

★**Ia., Council Bluffs**—City let contract building 3 blocks pavement, concrete, to E. A. Wickham & Co., 19 Scott St., $1.74 per sq.yd. Noted Aug. 2.

Minn., St. Paul—City received low bid paving portion 9th St. and College Ave. from Thornton Bros., Scandinavian-American Bank Bldg., $16,187; Fielding and Shepley, St. Paul, $18,190.

★**Kan., Augusta**—City let contract paving several streets to C. Bessler Constr. Co., Winfield, $62,833.

★**Kan., Hutchinson**—City let contract paving portions Crescent Park, 17th, 18th, 19th and 20th Sts., including 24,400 sq.yd. paving, 11,000 cu.yd. excavation to Stamey-Mackey Constr. Co., Hutchinson, $2.19 per sq.yd. vitr. fiber block, asphalt filler on stone mixed concrete base. Noted June 14.

★**Mont., Billings**—(Official)—City let contract, paving 18,000 sq.yd. gravel bituilthic, to Warren Constr. Co., Billings, $54,147. Noted July 26.

★**Mo., Poplar Bluff**—(Official)—City let contract 10,394 sq.yd. pavement, 6- and 5-in. bituminous 1811 cu.yd. grading to G. Gleason, Poplar Bluff, $19,000. Noted July 26.

★**Mo., Richmond**—City let contract, paving, to Kennedy & Olson, 601 Ridge Arcade, Kansas City. About $15,156. Noted July 26.

★**Mo., St. Joseph**—City let contract paving portions King Hill Ave., sheet asphalt; Garfield, Mitchell Aves. and Mulberry St., asphaltic concrete, to Metropolitan Paving Co., 7th and Olive Sts. Noted July 5.

★**Mo., Sedalia**—(Official)—City let contract grading, paving, curbing portions Quincy Ave. and Broadway, including 4-in. concrete base, grading, 3-in. vertical fiber brick filler, asphalt, to J. W. Menefee, Sedalia, $2.24½ per sq.yd. curbing, 40c. per lin.ft. Noted Aug. 2.

★**Ark., Walnut Ridge**—(Official)—City let contract paving Rd. Dist. No. 3, 5.78 mi. macadam, to Gregory Co., Walnut Ridge, $35,000.

★**Tex., Coldspring**—City let contract building roads Dist. No. 3 to Bland & Smith, Coldspring, $31,000.

★**Tex., Ft. Worth**—Tarrant Co. Comrs. let contract graveling 3-mi. road, connecting Dallas Co. Pike with Tarrant Co. Cardina Rd. to P. F. McGee, Arlington.

★**Tex., Galveston**—City let contract surfacing 27,000 sq.yd. shelled streets to Finley Method Co., Galveston.

★**Tex., Tyler**—City let contract paving portions East Locust, North Bois d'Arc and Elm Sts., 1-mi. clay to Southern Paving Co., 1309 Bush Bldg., Dallas.

★**Okla., Oklahoma**—City let contract paving 30th and 32nd Sts., sheet asphalt, to Western Paving Co., Terminal Bldg., $1.94 per sq.yd.

★**Okla., Pauls Valley**—City let contract paving Willow St. to Struble & Mitchell, Pauls Valley, $23,015.

★**Okla., Tulsa**—City let contract paving 150,000 yds. to Eureka Paving Co., 1115 Carter Bldg., Houston. Noted Aug. 9.

★**Utah, Ogden**—City let contract Dist. 127, paving portions 26th Ave. to P. J. Morgan, 52 West 2nd St., $40,956.

★**Wash., Camas**—City Council let contract, paving Beeson St., 2-in. bituilthic, to United Contr. Co., Northwest Bank Bldg., Portland, Ore. About $13,519.

★**Wash., Granite Falls**—City let contract sidewalks, concrete, to Superior Constr. Co., 4th Ave., Northeast and East 8th St., Seattle, $11,000.

★**Wash., Kalama**—Cowlitz Co. Comrs. let contract building Pacific Highway, 2½ mi. permanent highway No. 3 to Jarvis & Berkheimer, Portland, $44,600. Noted June 28.

★**Wash., Port Angeles**—City let contract paving I St. to E. Anderson, Port Angeles, $44,990. Noted June 28.

★**Wash., Port Angeles**—City let contract paving L. I. D. No. 50, to Bullock & Co., Port Angeles, $15,913.

★**Wash., South Bend**—Pacific Co. Comrs. let contract building portion National Park Highway to Allred & James, Centralia, $10,000. Noted June 28.

★**Wash., Spokane**—Spokane Co. Comrs. let contract paving Madison Highway, 1 mi. one course concrete through Valleyford to Baylor, Murphy and Pearson, Spokane, $15,178.

★**Oregon**—State Highway Comn., Salem, let contracts, Columbia River Highway to A. D. Kern, Portland, grading 3 mi. Viento Sect., $71,033, 2 mi. Ruthton Hill, $39,988 and 8.2 mi. near Cascade Locks, $105,930; to Warren Constr. Co., Journal Bldg., Portland, grading Goble Hill, $42,300 and to A. L. Clark, c/o Washington Paving Co., L. C. Smith Bldg., Seattle, grading Rainier Hill, $11,880.

Oregon—State Highway Comn., Salem receive low bids paving Rex-Tigard Rd. from O. Huber, $266,415; Astoria-Swenson Rd., Warren Constr. Co., 14 Association Bldg., Portland, $155,763; Marion-Clackamas Rd., Oregon Hassam Paving Co., $135,954.

★**Ore., Astoria**—City let contract paving Cedar St., bituilthic, to Miller & Bauer, Astoria, $36,982.

★**Cal., San Francisco**—Bd. Pub. Wks. let contract, paving Arkansas St., to Federal Constr. Co., Sharon, Bldg. About $12,539.

★**Cal., Upland**—City let contract grading and oiling 6th Ave. to J. S. Menfee, Watts, 4.95c. per sq.ft., concrete curbs, 24.95c. per ft.

★**N. S., New Glasgow**—City let contract paving South St., bituilthic, to Warren Paving Co., McKinnon Bldg., Toronto, $15,000.

★**Ont., New Hamburg**—Council let contract paving streets, concrete, to Queen City Concrete Paving Co., 179 Broadview Ave., Toronto, $16,000. Noted July 12.

★**B. C., Burnaby**—City let contract paving Barnet Rd. to M. P. Cotton Co., Vancouver, $15,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Virginia—Petersburg, Hopewell & City Point Ry. of Petersburg, incorporated with $1,000,000 capital stock, plans to take over Petersburg & Appomattox Electric Ry., with 9 mi. line from Petersburg to Hopewell and Hopewell & City Point Ry. operating from Hopewell to City Point, about 2-mi. and will build 6-mi. branch line to Prince George Courthouse, also 2-mi. second track from Petersburg to Camp Lee. R. Mann, Petersburg, pres.

West Virginia — Monongahela Valley Traction Co. preparing plans for extension line from Bridgeport to Rosemont, Flemington, Galloway, Wendell and Simpson. R. D. Henner, Morgantown, Pa., ch. engr.

North Carolina—Chimney Rock Ry. incorporated with $300,000 capital stock has been granted permission to build 25 to 30 mi. railroad from Rutherfordton to Chimney Rock. T. C. Cole, Black Mountain, J. C. Cole, Canton and others, stockholders.

Georgia—Georgia Ry. and Power Co. plans to build 5-mi. line to Camp Gordon, near Chamblee. G. W. Brine, Electric and Gas Bldg., Atlanta, vice-pres. and mgr.

Louisiana—New lines, about 35 mi. in all, proposed to connect Kinder & Northwestern Ry. with other local lines, mainly lumber service. A. Mead, Kinder, vice pres.

Tennessee—Central R.R. Georgia controlled by Illinois Central R.R. preparing plans extending line from Chattanooga to Johnson Stand or Crossville, about 65 mi. H. R. Manby, Nashville, act. supt.

Ohio—Canton & Ohio River Rys. of Pittsburgh has been organized with $10,000,000 capital stock under laws of Ohio and West Virginia by Cincinnati, Canton and Cleveland men for promoting project to build 105-mi. electric railway from Canton, Ohio, to Wheeling, W. Va., via Toronto, Ohio.

Minnesota—Electric Short Line Ry. plans 14-mi. line south from Hutchison. E. D. Luce, Minneapolis, genl. mgr.

Texas—Gulf & East Texas R.R. of Hicks recently incorporated plans to build 10-mi. line from Hicks to Wursbaugh. E. R. Campbell and A. E. Ammerman, Union Natl. Bank Bldg., Houston, and others incorporators.

Texas—M. B. Hereley of Chicago and associates plan 175-mi. railroad from Lubbock, Tex., to Roswell, N. M. Atchison, Topeka & Sante Fe R.R. interested.

New Mexico—Atchison, Topeka & Santa Fe R.R. plans 150-mi. line from Carlsbad to El Paso, Tex. F. M. Bisbee, Amarillo, Tex., ch. engr.

Utah—Utah Light & Traction Co. plans to lower tracks 3000 ft. on South State St. About $26,000. H. L. Beach, Salt Lake City, genl. mgr.

Arizona—Ray-Hercules Copper Co. of Ray plans to spend $200,000 to build railway to connect with Ray and Gila Valley system.

Washington—City Council of Tacoma issued $180,000 bonds to build, extend and equip 11th St. line to east side of bay to connect with ship yards. C. D. Atkins, comr. pub. wks.

California—Pacific Electric R.R. granted franchise to extend interurban road from Santa Ana to Tustin, about 5-mi. G. E. Pillsbury, Los Angeles, ch. engr.

California—Pacific Electric Ry. plans to build line from Glendora and San Dimas.

Ontario—Canadian Pacific Ry. plans to lengthen sidings and strengthen bridges between London, Ont. and West Toronto. About $185,000. W. E. Woodhouse, Montreal, ch. engr.

BIDS DESIRED

Pennsylvania—(Official)—Until Aug. 30, by Atlas Powder Co., Wilmington, building 2-mi. railroad; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Alabama**—Muscle Shoals Traction Co. let contract 64-mi. interurban line from connection with Louisville & Nashville and Southern Ry. at Florence to Huntsville to Central States Constr. Co., Indianapolis.

EXCAVATION AND DREDGING

Proposed Work

Tenn., Selmer — Canal — Lower Cypress D.D. No. 10, McNairy Co., soon lets contract drainage system involving 12-mi. canal with 3 laterals and 481,785 cu.yd. excavation. S. J. Dalton, Boonville, Miss., engr.

O., Urbana—Creek Improvement—Shelby and Champaign Cos. soon lets contract improving Mosquito Creek for about 12 mi. About $42,779.

Minn., Fairmont—Ditches — Martin Co. prepared plans building Judicial Ditches No. 79 and 80. About $24,759 and $12,630 respectively. H. C. Nolte, aud.

N. D., Fargo—Canals—Cass Co. prepared plans building 8 open drainage canals, involving 80,000 acres of land. These canals are to be so built as to make tile drainage feasible. Ultimate discharge will be into Mapleton, Sheyenne and Red Rivers. About $325,000. S. F. Crabble, Fargo, engr.

Mo., Warrensburg — Drainage—Johnson Co. rejected bids for Big Creek D. D. No. 2. New bids. C. E. Jacoby Eng. Co., 514 Shukert Bldg., Kansas City, engrs.

Tex., Wharton—Irrigation—Wharton Co. Irrigation Co., incorporated with $100,000 capital stock, plans to build system of irrigation involving pumping plant. J. W. Jolly, El Campo, stockholder.

Okla., Altus—See "Miscellaneous."

Cal., Dos Palos—Irrigation—City plans to organize irrigation district to be known as Tierra Loma Irrigation Dist., involving 92,000 acres, 52 mi. canal and 288 mi. 1-ft. laterals. About $200,000. D. N. Steyer, South Dos Palos, chn.

BIDS DESIRED

N. Y., Albany — (Official) — Canal Improvements—Until Aug. 21, by W. W. Wotherspoon, supt. pub. wks., improving canals; advertised in this issue.

N. C., Winston-Salem—Until Aug. 28 by Forsyth Co. D.D. No. 1, building drainage system involving 20-mi. canal.

Fla., Tallahassee—(Official)—Excavation—Until Aug. 30, by Bd. Comrs. Everglades D.D., excavating Caloosahatchee Canal between La Belle and Citrus Center. F. C. Elliott, engr.

Ia., Sac City—Drainage—Until Aug. 22, extension of date by E. M. Moyer, aud. Sac County, building drainage ditches, Big Cedar D. D. No. 181 of Sac, Buena Vista, Pocahontas and Calhoun Counties. Noted July 12.

Ia., Spencer—Drainage—Until Aug. 22, by Clay Co. for work on D.D. No. 54. A. W. Chamberlain, aud.

Minn., Detroit—Ditch—Until Aug. 30, by J. A. Narum, Becker Co. aud., building county Ditch No. 19, involving 65,138 cu.yd. excavation.

Minn., Glenwood—Ditch—Until Aug. 20, by O. Irgens, Pope Co., aud., building Co. Ditch No. 15, involving 84,332 cu.yd. excavation main ditch, 45,373 cu.yd. in branches. About $14,269.

Minn., Mora—Ditch—Until Aug. 18 by A. V. Sanders, Kanabec Co., aud., building Co. Ditch No. 11, involving 258,634 cu.yd. excavation, also building rein.-con. bridge and culverts. About $44,089.

Colo., Lamar—Drainage—Until Aug. 22, by Wiley D. D., Prowers Co., building 9¾ mi. open drain ditch, bottom width 4 ft., involving 43¾ mi. 6- to 18-in. tile drain. G. R. Wilson, secy.

Ont., Greenock—Ditch—Until Aug. 20 by T. H. Purdy, Glammis, P. O., building 3½ mi. ditch involving 15,500 cu.yd. excavation.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Comn. Waterways and Pub. Lands, State House, received low bids (a) dredging 25,000 cu.yd. material, Sandwick Harbor, (b) 21,000 cu.yd. Scituate Harbor, (c) 7000 cu.yd. Herring River, Harwich, (d) dredging 12,000 cu.yd. and placing 900 tons rip rap, Ellisville Harbor, Plymouth, from Bay State Dredge Co., 247 Atlantic Ave., (a) 60c. cu.yd., (b) $.385 (c) 82c., (d) .79 cu.yd. and $7.00 ton; J. R. Burke, 78 Devonshire St., (a) 70c. (b) 43c. (c) 65c.; Boston Dredge Co., 40 Central St., (b) $.365; D. F. Crowley, East Milton, 78c. cu.yd. and $3.65 per ton.

★**N. J., Jersey City**—Dredging—City let contract dredging and deepening Hudson River, foot of Morgan St. to P. S. Ross, 277 Washington St., $10,000. Noted July 26.

★**Tenn., Dyersburg**—Drainage—Dyer Co. let contract Lewis Creek D.D. involving 8-mi. ditch to N. C. McGinnis & Co., Exchange Bldg. Noted July 12.

★**Ind., La Grange**—Ditch—La Grange Co. let contract building Davis Lein D.D., 7 mi. long to W. A. Daniels, Auburn and C. A. Walb, La Grange.

★**Mich., Centerville**—St. Joseph Co. let contract building tailrace for power development on St. Joseph River, involving 100,000 yd. excavation, 100 yd. retaining walls to G. W. Bunker Co., 1570 Robinson Rd.

★**Ia., Mason City**—(Official)—Drainage—Cerro Gordo Co. let contract building D.D. No. 51 to J. Brark, Clear Lake, $15,337. Noted Aug. 2.

★**Ia., Webster City**—Hamilton Co. let contract building drains, Barth Drainage Dist. No. 212 involving 23,985 ft. 14- to 26-in. tile to Hildal & Peterson, Jewel and Natl. Sewer Pipe Co., Webster City.

★**Ia., Webster City**—Drainage—Hamilton Co. let contract Barth D. D. No. 212 as follows: Material to National Sewer Pipe Co., Sioux City, $14,998; labor to Hudal & Peterson, Jewel, $10,193.

★**Minn., Bagley**—Ditch—Clearwater Co. let contract Co. Ditch No. 3, involving 176,082 cu.yd. excava. to J. F. Flanagan Contr. Co., Alexander, 11.74c. per cu.yd.

★**Minn., Detroit**—Ditch—Becker Co. let contract building extension of branch No. 7 on Co. Ditch No. 15 involving 105,138 cu. yd. excavation, etc. to Northern Minnesota Drainage Co., Litchfield. Noted July 5.

★**Minn., Ivanhoe**—Ditch—Lincoln Co. let contract open work Ditch No. 31 to Kohler Contr. Co., Frazee, $17,950; Ditch No. 35 to Amer. Drainage Co., Thief River Falls, $35,017.

★**Minn., Mankato**—Ditch—Blue Earth Co. let contract building Co. Ditch No. 47 to Brick & Tile Yards, New Ulm, $37,875. Noted Aug. 2.

★**Ore., Bend**—Irrigation—Comrs. Suttle Lake Irrigation Project let contract involving 15,000 acres to C. M. Wickham, Portland, $750,000.

INDUSTRIAL WORKS

Proposed Work

Conn., New Haven — New York, New Haven & Hartford R.R. having plans prepared 95 x 360 ft. roundhouse and 1-story, 40 x 70 ft. machine shop here. Edward Gagel, ch. engr.

N. Y., Albany—Burdick & Son, c/o B. W. Burdick, 72 Hamilton St., plans 4-story, 67 x 160-ft. factory, Hamilton and Mosier Sts. About $50,000. Obenhaus, Nichols Co., 119 State St., archts.

N. Y., Buffalo—F. N. Burt, 540 Seneca St., had plans prepared by W. A. Kidd, archt., 240 Delaware Ave., 7-story, 84 x 124-ft. factory, Seneca and Hamburg Sts. About $175,000.

N. Y., Homer—Newton Fish Line Co., South Main St., plans to rebuild plant recently destroyed by fire. About $50,000.

N. Y., New York—A. Gaw, 319-323 West 77th St., plans remodeling 3, 5-story stables. About $70,000. F. B. Flatt, 101 Park Ave., archt.

N. Y., Syracuse—Onondaga Steel Co., East Water St., plans 3 new additions to plant.

N. Y., Tottenville, S. I.—O. E. K. Jackson, care of Jackson & Duncan, 79 Wall St., New York City, recently organized company and plans shipbuilding plant, Arthur Kill Rd.

N. J., Camden—H. Tiedemann, 19th St. and Washington Ave., Phila., plans 1-story, 70 x 200-ft. woodworking plant, Haddon Ave. About $75,000.

N. J., Jersey City—City Comn. will sell $1,038,000 bonds and plans freight terminal on New York Bay. Address J. Milton, 15 Ex. Pl.

N. J., Jersey City—C. F. Mueller Co., 180 Baldwin Ave., increased capital stock from $500,000 to $2,000,000 and plans extensions.

Pa., Phila.—Lanston Monotype Machine Co., 24th and Locust Sts., soon lets contract 5-story, 50 x 125-ft. plant, 24th and Locust Sts.

Pa., Phila.—Snyder & Co., 134 North 10th St., having plans prepared, 5-story, 31 x 104 ft., brick, steel and concrete warehouse and store. Peuckert & Wunder, 310 Chestnut St., archt.

Pa., Temple—Temple Malleable Iron & Steel Co. plans to build several new additions to plant. About $500,000.

Pa., Williamsport—Lycoming Rubber Co., Rose and Erie Aves., plans 5-story, 64 x 100-ft. addition, Rose Ave. About $400,000.

Industrial Work (Continued)

Md., Fairfield—Riter-Conley Co., Morris Bldg., Pittsburgh, plans large addition to shipbuilding plant including shipbuilding berths, bulkheads, piers and shops.

W. Va., Martinsburg—Berkley Woolen Mills had plans prepared, 4-story, 65 x 160-ft. addition, Raleigh St. About $100,000. P. O. Keilholtz, Continental Bldg., Baltimore, archt.

N. C., Charlotte—Natl. Sanitation Co. recently organized with capital stock of $100,000 and plans to build.

La., Cedar Grove—Western Carbon Co., subsidiary of Columbia Carbon Co., soon lets contract building plant here. About $125,000.

La., New Orleans—Bd. Comrs., 200 New Orleans St., plans multiple story, rein.-conc., warehouse. Address W. B. Thompson, pres.

O., Akron—Akron, Canton & Youngstown R.R. plans large freight terminal warehouse here. About $1,000,000 J. A. Donahey, ch. engr.

O., Akron—Kendall Tire & Rubber Co., soon lets contract factory and power house. About $100,000. W. C. Owen & Co., 449 Leader-News Bldg., Cleveland, archts.

O., Canton—American Motor Car Co., recently incorporated with capital of $100,000, soon lets contract 2-story, 60 x 100 ft. C. R. Volzer, pres.

O., Cleveland — Cleveland Switchboard Co., 430 West Prospect Ave., plans rebuilding plant recently destroyed by fire.

O., Cleveland—Colonial Woolen Mill Co., recently incorporated with capital of $100,000, plans blanket mill. J. N. Hahn, pres. W. S. Lougee, Marshall Bldg., archt.

O., Cleveland—Guide Motor Lamp Co., 11400 Madison Ave., has purchased site on Mandalay Ave., and plans new factory.

O., Cleveland — Morgan Lithographing Co., St. Clair Ave., N. E., and East 3rd St., plans 3-story, 138 x 250 ft., Payne Ave., N. E. About $150,000.

O., East Cleveland—(Cleveland P. O.)—Cleveland Motor Plow Co., Euclid and Lamb Aves., Cleveland, receives bids about Aug. 20, 1- and 2-story, 100 x 500 ft. About $200,000. R. White, pres. G. S. Rider Co., 512 Century Bldg., archts., both of Cleveland.

O., Licking View—Rotary Tire and Rubber Co., Zanesville, plans large brick factory, Licking Rd. About $500,000.

Ill., Chicago—Standard Cap and Seal Co., 327 Wells Ave., plans 100 x 160-ft. factory. About $150,000. O. N. Tevander, pres. Davidson & Weiss, archts.

Mo., Kansas City—City plans election Oct. 2 to vote on $1,000,000 bond issue for lighting plant.

Tex., Deweyville—Sabine Tram Co. plans large lumber mill plant and concrete building to contain engines, boilers, machine shop and blacksmith shop. About $150,000. C. E. Walden, Beaumont, pres.

Tex., Houston—Texas Development and Refining Co. has increased its capital stock from $100,000 to $500,000 and plans addition to plant.

Idaho, Rigby—Beet Growers Co., Idaho Falls, plans 600-ton beet sugar factory.

Cal., Alameda—N. Clark & Son, Alameda, plans to rebuild pottery plant recently destroyed by fire. About $250,000.

Cal., Fresno—Fresno Planing Mill plans to build plant. About $80,000. A. W. Bernhauer, pres.

Cal., Stockton—Union Ice Co. plans to build plant. About $65,000. W. Toepke, 46 Kearny St., San Francisco, archt.

B. C., Anyox—Granby Consolidated Mining, Smelting and Power Co. plans coke manufacturing plant here. About $1,500,000.

BIDS DESIRED

O., Columbus—(Official)—Until Sept. 4 by O. E. Steele, business mgr., Ohio State University, brick and steel power house. About $135,000.

Wash., Seattle—Until Aug. 31 by Bd. Pub. Wks., building complete hydro-electric light and power plant involving continuous capacity of 13,000 kw.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Vt., Bennington**—E. L. Sibley Mfg. Co. let contract 2-story, 60 x 157-ft., brick, to Kingsbury Constr. Co., Hudson Falls, N. Y.

★**N. Y., New York**—New York Butchers Dressed Meat Co., 11th Ave. and 39th St., let contract 7-story, 100 x 125-ft. plant, 11th Ave. and 40th St., to Blome Sinek Co., 120 Bway. About $250,000.

★**N. Y., Rochester**—Symington-Anderson Co. let contract 227 x 650-ft. brick factory, University St., to Crowell-Lundroff-Little Constr. Co., 1951 East 57th St., Cleveland. About $280,000.

★**N. J., Trenton**—American Steel & Wire Co., Hamilton Ave., let contract 1-story, 50 x 70-ft. machine shop and 175 x 310-ft. rope shop to J. H. Morris, Broad St. Bank Bldg. Noted Aug. 9.

★**Pa., Phila.**—Rex & Co., Inc., 2410 North Philip St., let contract 5-story, 52 x 113-ft. brick warehouse, American and York Sts., to S. B. MacDowell & Son, 1927 West Montgomery Ave. About $70,000.

★**Del., Wilmington**—W. Freihofer Baking Co., Pennsylvania and Lincoln St., Phila., let contract 3- and 4-story, 60 x 100-ft. brick baking plant to Concrete Constr. Co., 1620 Thompson St., Phila. About $75,000.

★**O., Orrville**—Ohio Blower Co., 5125 Perkins Ave., let contract new factory to A. A. Lane, 820 Columbus Bldg. About $150,000. Noted July 26.

★**Ind., Indianapolis**—Pennsylvania Lines West let contract, brick and rein.-con. engine house and annex, to Alliance Constr. Co., Indianapolis.

★**Mich., Detroit**—Ford Motor Co., Woodward Ave. and Detroit Terminal R.R., let contract 4-story, rein.-conc. addition to factory A, to H. G. Christman Co., 315 Stevens Bldg.

★**Mich., Detroit**—Michigan State Telephone Co., Washington and Clifford Sts., let contract 3-story, rein.-conc. telephone building, Hubbard St., to H. G. Christman Co., 315 Stevens Bldg.

★**Mich., Detroit**—Parisian Realty Co., 915 Ford Bldg., let contract 3-story, rein.-conc. laundry plant, West Elizabeth and 3rd Sts., to A. W. Kutscke & Co., 814 Ford Bldg. About $80,000.

Mich., Detroit—L. Smilansky let contract 3-story steel warehouse, store and theater, West Fort St., to F. Swireky & Co., 201-204 Equity Bldg.

★**Ill., Chicago**—E. J. Barker, 556 West Jackson Blvd., let contract 2-story brick plant, 4247-57 Western Ave., to Shumann Constr. Co., 58 East Washington St.

★**Ill., Chicago** — Commonwealth Edison Co., Clark and Adam Sts., let contract altering power house and building 1-story brick locomotive house and concrete ashpit, 22nd and Fisk Sts., to G. A. Fuller & Co., 140 South Dearborn St. About $236,000.

★**Minn., Minneapolis**—G. W. Todd, 403 Brandeis Bldg., let contract 3-story, 66 x 132-ft. warehouse to W. Maier, 415 South 42nd St. About $50,000.

★**Cal., Crockett**—California & Hawaiian Sugar Co. let contract, addition to plant, to Lindgren & Co., Monadnock Bldg., San Francisco. About $1,500,000.

★**Cal., San Francisco**—Atchison, Topeka & Santa Fe R.R. let contract, brick and mill-construction warehouse to C. L. Wold Co., 75 Sutter St. About $59,294.

BUILDINGS

Proposed Work

Mass., Wrentham — Dormitory — Comn. Mental Diseases plans. Kendall, Taylor & Co., 93 Federal St., Boston, archts.

N. Y., Albany—School—Bd. Educ. plans, 2-story. About $50,000. I. Wachsman, secy. bd. control and supply, City Hall. Fuller & Robinson, 95 State St., archts.

N. Y., Buffalo—Church—St. Marys Congregation plans to build, in Hertel Ave. dist. About $65,000.

N. Y., Cohoes — Church — St. Josephs Congregation, Cohoes, plans 3-story, 40 x 70-ft. and wing. Rev. A. Lavigne, 65 Congress St., pastor.

N. Y., Lake Placid—High and Grade School—Bd. Educ. plans, 2-story. About $125,000. Pember & Campaigne, 24 James St., archts.

N. Y., New York—Libraries—American Library Assn. plans 32 libraries, various Army and National Guard Camps. About $320,000. F. P. Hill, 26 Brevoort Pl., Brooklyn, chn. E. L. Tilton, 52 Vanderbilt Ave., archt. and engr.

N. J., Passaic—Theatre—Harris Bros., 184 4th St., plans 1-story, 75 x 100-ft. About $60,000. A. Preiskel, Hobart Trust Bldg., archt.

N. J., Red Bank—School Bd. Educ. plans 2-story, 60 x 90 ft., brick and stone, Shrewsbury Ave. About $60,000. F. M. Truex, 1170 Bway., New York City, archt.

Pa., Eddystone — Convent — St. Rose of Lima Congregation plans, 4-story. About $50,000. Rev. T. F. Ryan, Chester Rd., pastor. Henon & Boyle, 10 South 18th St., Phila., archts.

Wash., Seattle—Temple—Seattle Central Labor Council plans 10- or 12-story, 100 x 120 ft., near present temple. F. A. Hutchn. bldg. com. J. A. Duncan, 1728 [illegible] St., secy.

Wash., Spokane—Theater—Alex. Pantages, Pantages Theater Bldg., had plans prepared by B. Marcus Priteca, archt., Pantages Theater Bldg. About $150,000.

Cal., Long Beach—Schools—City election Sept. 6 to vote on $100,000 bond issue to build schools.

Cal., Los Angeles—Hospital—Bd. Supvrs. Ventura, Los Angeles and Santa Barbara Cos. plan tuberculosis hospital, Los Angeles Co. About $100,000. Wm. Davidson, Hall of Records, archt.

Cal., San Diego—Becker Bros. had plans prepared, altering building, by Eugene Hoffman, Spreckels Bldg. About $50,000.

Cal., San Francisco—Office—B. G. McDougall, 461 Market St., having plans prepared, 2-story addition to Sheldon Bldg. About $70,000.

Cal., San Francisco—School—City plans $3,500,000 bond issue, building and improving schools. J. S. Dunnigan, city clk.

Ont., Stratford—Theater—W. I. Kemp, 69 Nile St., having plans prepared, brick. About $60,000.

BIDS DESIRED

N. H., Laconia—(Official)—Dormitory—Until Aug. 21 by Bd. Trustees, State House, Concord. C. Whitcher, state archt. Noted July 12.

Mass., Boston—Hospital—Until Aug. 23 by City Hospital, 818 Harrison Ave., ward buildings and alterations. About $75,000. Jos. McGinniss, 16 Arlington St., archt.

Mass., Boston—School—Until Aug. 21 by Bd. Educ., 3-story, 120 x 176-ft. brick and stone, Charter & Phipps Pl. About $150,000. J. McGinniss, 16 Arlington Pl., archt.

Conn., Hamden—Schools—Until Aug. 22 by Bd. Educ., Dixwell Ave. and Newhall and Morse Sts. Kelly & Loth, 113 Church St., New Haven, Conn.

N. Y., Brooklyn—Hospital—Until Sept. 5 by Cumberland St. Hospital, Auburn Pl., c/o City. About $600,000. Ludlow & Peabody, 101 Park Ave., New York City, archts.

N. C., Raleigh—(Official)—Administration, Kindergarten, Etc.—Until Aug. 23 instead Aug. 16 by Bd. Dirs. State School for Blind. About $150,000. F. K. Thompson, Raleigh, archt. Noted Aug. 9.

O., Columbus—School—Until Aug. 30 by Bd. Educ., Perry Twp., Franklin Co. Cree Sheets, 33 North High St., archt.

O., Lakewood—High School—Until Sept. 4 by P. T. Harrold, clk. bd. educ., 2-story. W. Hopkinson, 900 Rose Bldg., Cleveland, archt. Noted July 19.

O., London—School—Until Aug. 30 by Bd. Educ., Jefferson Twp., Madison Co., Centralized School Dist. Howard & Merriam, 8 East Broad St., Columbus, archts.

Wis., Hudson—High School—Until Aug. 28, by Dist. Bd. Parkinson & Dockendorff, Linker Bldg., LaCrosse, archts.

Ia., Dike—School—Until Aug. 28 by Bd. Educ., 3-story, 70 x 120-ft., brick and tile. About $65,000. W. L. Pedicord, Dike, archt. Noted Aug. 9.

Ia., Mingo—School—Until Aug. 24 by S. M. Berkeley, pres. bd. educ., 2-story, 60 x 90-ft., brick. About $50,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archt.

Ia., Newton Junior High School—Until Sept. 5 by H. B. Allfree, pres. bd. educ. Temple & Burrow, 63 Davenport Savings Bank Bldg., Davenport, and Fugard & Knapp, 111 Monroe St., Chicago, archts. Noted Apr. 26.

Minn., Fairmont—School—Until Aug. 21 by Bd. Educ., East Chain Twp. G. Pass & Son, Mankato, archts.

Neb., Lincoln—Social School—Until Sept. 1 by J. S. Dales, secy. University. About $300,000.

Neb., York—High School—Until Aug. 21 by Bd. Educ., 2-story, 80 x 220 ft. brick, stone and rein.-conc. About $60,000. W. W. Wyckhoff, secy.

S. D., Conde—Municipal—Until Aug. 30 by J. P. Wolf, aud., 2-story. G. F. Fossum, Wells Blk., Aberdeen, archt.

Okla., Oklahoma — (Official) — Station — Until Sept. 15, by Frisco R.R. About $300,000. Lebebbaum, Marx & Vigeaut, 175 West Jackson Blvd., Chicago.

Okla., Tulsa—Club—Until Aug. 20 by A. W. Roth, pres., Y. W. C. A., 4-story, 90 x 150 ft. About $150,000. C. K. Birdsall, 1002 Commerce Bldg., Kansas City Mo., archt.

Buildings (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★R. I., **Woonsocket**—School—Bd. Educ. let contract 2-story, 65 × 90 ft. to J. F. Fleurent & Son, 159 Rathbun St. About $50,000. Noted June 21.

★N. Y., **New York**—Office—E. M. Ferriday, 31 East 50th St., let contract to M. Rikes, 891 East 172nd St. About $100,000.

★Pa., **Duranceton**—School—Bd. Educ. let contract 2-story, 30 x 82 ft. to M. L. Roth, 125 South Welles St., Wilkes-Barre. About $60,000.

★Md., **Admiral**—Building—War & Work Council International Y. M. C. A., 124 East 28th St., New York City, let contract 10 Y. M. C. A. buildings to Claiborne & Johnson Co., Inc., Garrett Bldg., Baltimore. About $60,000.

★Md., **Baltimore**—School—Bd. Educ. let contract 1-story, 30 x 225-ft., Liberty Heights Ave. to W. E. Burnham, Law Bldg. About $50,000.

★O., **Cleveland** — Church — Hough Ave. Congregation let contract 2-story, 72 x 80 ft., brick, Hough Ave., to King-Griffin Constr. Co., Engineers Bldg. About $60,000.

O., **Cleveland**—School—Bd. Educ. received low bid, addition to Empire School, Empire Ave., from Bolton & Pratt Constr. Co., Columbia Bldg. $76,000.

★Mich., **Detroit** — Nurse Home — Bd. Health let contract, 3-story, rein.-conc. to Culbertson & Kelley, 814 Ford Bldg. About $135,000.

★Mich., **Detroit**—Store—H. L. Bowles Co., 412 Bowles Bldg., let contract 6-story, concrete and steel, Gratiot St., to A. A. Albrecht Co., 1130 Penobscot Bldg. About $100,000.

★Mich., **Muskegon**—Official—Union Lodge let contract to Buck & Muller, percentage plan. About $65,000.

★Ill., **Aurora** —(Official)— Sanatorium—Miller Diabetis Sanatorium let contract, 3-story, 60 x 100 ft., to J. MacKimmie, 296 Iowa Ave. About $80,000. Noted Aug. 9.

★Ia., **College Springs**—High and Grade School—Bd. Educ. let contract, 3-story, 72 x 134-ft., brick, to S. Hotchkiss, 18th and Penn. St., St. Joseph, Mo. About $65,000.

★Kan., **McPherson**—School—Bd. Educ. let contract, 2-story, brick, stone and rein.-conc., to J. W. Flanagan Constr. Co., 2836 Benton Blvd., Kansas City, Mo. About $50,000. Noted Aug. 2.

★Kan., **Topeka** — Storehouse — Atchison, Topeka & Santa Fe R.R. let contract, brick and rein.-conc., to F. M. Spencer & Son, Mulvane Bldg. About $200,000. Noted Aug. 9.

★Kan., **Wichita** —(Official)— Hotel — H. Lassen, Wichita, let contract to Selden-Breck Constr. Co., Central Natl. Bank Bldg., St. Louis. About $500,000. Noted Aug. 9.

★Mo., **St. Louis**—College—Poro College let contract to J. Hill, 915 Olive St. About $50,000.

★Mo., **St. Louis**—School—Bd. Educ. let contract 2-story, 80 x 110-ft., to Murch Bros. Constr. Co., Railway Ex. Bldg. About $134,840.

★Mo., **Trenton**—School—Bd. Educ. let contract, 3-story, brick and stone, to J. J. Hoffman, Milan. About $75,000.

★Tex., **Dallas**—Theater—Majestic Theater Co. let contract, steel construction, Elm St., to Austin Bros., 1815 Coombs St., Dallas. Total cost, about $100,000.

★Okla., **Stillwater**—Court House—Payne Co. let contract, 4-story, brick, stone and rein.-conc. to Lisle-Dunning Constr. Co., Oklahoma City. About $125,000. Noted July 12.

★Colo., **Denver**—Stadium—City let contract, Court of Civic Benefactors and stadium, Civic Center, to Edward Seerie Co., 605 Continental Bldg. About $181,000.

★Ariz., **Bisbee**—High School—Bd. Educ. let contract to J. W. Tucker, Lowell. About $59,150. Noted Apr. 17.

★Cal., **Fresno**—Union Natl. Bank, care of W. O. Miles, pres., let contract 2-story, 50 x 96 ft., Mariposa St., to H. H. Winner, Nevada Bank Bldg., San Francisco. About $50,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Winchester — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids. Noted Aug. 9.

Wash., North Yakima—Storage Reservoir—U. S. Rec. Ser. making surveys at Hells Crossing on American River.

Wash., Tacoma—Hospital—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., prepared plans involving 59 buildings. About $500,000.

Ore., Oregon City—Locks—Government appropriated $80,000 for locks.

Ariz., Globe—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids

BIDS DESIRED

Mass., Hingham—Magazine Storehouse—Until Aug. 27 by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash.

N. Y., Brooklyn—Paving—Until Aug. 20, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., paving Navy Yard, granite block.

N. Y., Buffalo—Metal Work—Until Aug. 20, by Lighthouse Inspector, furnishing metal work for 1 steel tower; advertised in this issue.

N. Y., Cohoes—Post Office—Until Sept. 24 by J. A. Wetmore, superv. archt., treas. dept., Wash.

Pa., Phila.—Heating System—Until Aug. 27, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., at Machine and electric shop.

Wash., D. C.—Refuse and Garbage—Until Sept. 5, by L. Brownland, comr. Dist. of Columbia, collecting and disposing of miscellaneous refuse and garbage, etc.; advertised in this issue.

Wash., D. C.—Storm Warning Lanterns—Until Aug. 21, by U. S. Dept. Agriculture, furnishing storm warning lanterns; advertised in this issue.

S. C., Port Royal—Buildings—Until Aug. 20, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., for 2 buildings for officers' quarters. Noted July 26.

Ind., Kendallville — Post Office — Until Sept. 21 by J. A. Wetmore, superv. archt., treas. dept., Wash., advertised in this issue.

Mich., Detroit—Backfilling—Until Sept. 4, by U. S. Engr. Office, for backfilling walls, 4th Lock, St. Marys Falls Canal.

Cal., San Pedro—Fill—Until Aug. 31, by U. S. Engineers Office, 723 Central Bldg., Los Angeles, for fill involving 120,000 cu. yd. rip rap protection.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Melville** — Extending Fuel-Oil Storage Plant—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., let contract to J. W. Danforth Co., 70 Ellicott St., Buffalo, $294,394. Noted Aug. 9.

★**N. Y., Brooklyn**—Emergency Building—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., let contract emergency building for receiving ship barracks, to Caldwell Wingate Co., New York City, cost plus 10%.

★**Pa., Harrisburg** — Storehouse — Bureau Yards and Docks, Navy Dept., Wash. let contract to J. L. Stewart & Co., 30 Church St., New York City, $400,000.

★**Pa., Phila.** — Aëroplane Factory — Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., let contract to Austin Co., 3028 North 16th St., $360,960.

★**Pa., Phila.**—Crematory—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., let contract to Morse-Boulger Destructor Co., 39 Cortlandt St., New York City, $13,835. Noted Aug. 9.

★**Pa., Phila.**—Repairs to Stokers—Bureau Yards and Docks, Navy Dept., Wash. let contract to J. G. Thomas, 34 South 17th St., $13,750.

★**Wash., D. C.**—Buildings—Bureau Yards and Docks, Navy Dept., Wash., let contract for 2 magazine buildings for Iona Island and 5 for Lake Denmark, N. J., to Snare & Triest, Woolworth Bldg., New York City, $136,500. Noted July 12.

★**Wash., D. C.**—Emergency Hospital—Bureau Yards and Docks, Navy Dept., Wash., let contract emergency hospital at Key West, Fla., to Ward & Price, cost plus percentage. Noted July 12.

★**Wash., D. C.**—Naval Air Stations—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., let contract for 2 on Long Island to J. Stewart & Co., 30 Church St., New York City; 1 on New Jersey Coast to Cramp & Co., Deckla Bldg., Phila.; 1 at Key West, Fla., to Florida Contr. & Eng. Co., Key West.

★**Wash., D. C.**—Road Work—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., let contract rebuilding portion wall on Canal Rd. to W. S. Cush, Wash., D. C., $24,000.

★**Va., Richmond** — Warehouse — Bureau Yards and Docks, Navy Dept. Wash., let contract to J. T. Wilson, Mutual Bldg., Richmond, $400,000.

S. C., Charleston—Storehouse—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., received low bids from Feeney Sheehan Building Co., State House, Albany, N. Y., $210,415, 200 days; J. H. Wiese, 1301 City National Bank Bldg., Omaha, $239,860, 250 days; R. H. Arnold Co., 1035 Vermont Ave., $241,474, 120 days. Noted July 26.

★**Ill., Great Lakes** — Intake Pumping Plant—Bureau Yards and Docks, Navy Dept., Wash., let contract to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, $22,500.

★**Neb., Chardon**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to C. E. Goodhand, Wahoo, $89,283. Noted Aug. 9.

MISCELLANEOUS

Proposed Work

Park—Batavia, N. Y.—City election soon to vote on $50,000 bonds to purchase 7.7 acres of land for park. R. F. Clark, city engr.

Port Improvements—Jersey City, N. J.—City Comrs. acquire Caven Point, will develop property for port improvements. About $1,000,000. C. A. Van Kuren, city engr.

Park—Trenton, N. J.—Pennsylvania legislature appropriated $25,000 for interstate park at Washington's Crossing. New Jersey to spend like amount. Address W. Edge, governor, Trenton.

Retaining Wall—Woodcliffe, N. J.—Bd. Freeholders Hudson Co. appropriated $50,000 to build retaining wall along bank of Woodcliffe, sloping to Hudson River.

Transmission Line—Greenville, S. C.—Southern Power Co. of Charlotte plans to build line to army cantonment. About $30,000.

Incinerator—Palm Beach, Fla.—Town voted $50,000 for incinerator and other improvements.

Dam and Retaining Walls — Marshalltown, Ia.—City preparing plans for dam and retaining walls over channel north of river at Center St. About $10,000. W. H. Steiner, city engr.

Subway—Parsons, Kan.—City plans election to vote on $60,000 bonds to build subway under tracks at Main St.-Missouri, Kansas & Texas lines to appropriate $60,000 toward cost. F. W. Frye, clk. L. F. Lonnbladh, Dallas, ch. engr.

Dam—Kansas City, Mo.—Bd. Pub. Wks. soon lets contract for 10 x 240-ft. near 9th and Blue River. About $50,000. Harrington, Howard & Ash, Orear-Leslie Bldg., engrs.

Dam—Altus, Okla.—City plans to build 7-mi. rein.-con. dam over North Red River to irrigate 66,000 acres of land.

Parks—Holdenville, Okla. — City issued $10,000 bonds to improve parks.

Tunnel—Los Angeles, Cal.—Bd. Pub. Wks. rejected bids for tunnel through Bunker Hill at 2nd St., from Hill to Figuerora St. Noted Apr. 12.

BIDS DESIRED

Elevated Railway—Pa., Phila.—(Official)—Until Aug. 21, by W. S. Twining, dir. Frankfort Elevated Ry. for steel framework, railings, concrete floors, etc.; advertised in this issue.

Retaining Wall—Lebanon, O.—(Official)—Until Aug. 20, by Warren Co. Comrs. building rein.-con. retaining wall, Rd. No. 31.

Breakwater—St. John Harbour, N. B.—Until Aug. 31 by R. C. Desrochers, secy. Dept. Pub. Wks., Dominion Government, Ottawa, for extension and repairs to breakwater.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Rip Rap—Boston, Mass.—See "Excavation and Dredging."

★**Garbage Disposal Plant — Charleston, S. C.**—City let contract 2-story, daily capacity 40 tons to Griscom-Russell Co., Land Title Bldg., Phila.

★**Crib Removal—Cleveland, O.**—Bd. Control let contract removal crib No. 5 at north end new water-works tunnel to Great Lakes Dredge and Dock Co., 1630 Williamson Bldg., $40,000.

Incinerating Plant—Kansas City, Mo.—City received low bids from Nye Odorless Crematory Co., $50,000 and $55,000; Herber & Foster, $58,667; Borge Incinerating Co., $62,458. Noted July 26.

★**Pier Shed—San Francisco, Cal.**—Bd. State Harbor Comrs. let contract to Carnahan & Mulford, 45 Kearney St., $63,807.

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until August 21, 1917.

Canal Improvements

STATE OF NEW YORK, OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, July 20th, 1917.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, August 21st, 1917, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

—1—

CONTRACT NO. 147.

Erie Canal—Section 11.

For constructing the substructure, superstructure and approaches of a bascule bridge across Tonawanda creek at Main and Webster streets, Tonawanda and North Tonawanda, N. Y.

Sheets 1 to 12 inclusive.

—2—

CONTRACT NO. 148.

Erie Canal—Section 8.

For constructing the substructure, superstructure and approaches of a highway bridge across Lock 27 and the Clyde river at Leach street, Lyons, N. Y.

Sheets 1 to 12 inclusive.

And for the construction of Barge canal, terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts amendatory thereof, as follows:

—3—

TERMINAL CONTRACT NO. 55.

For constructing a pier, dolphins, etc., at Gowanus Bay, Borough of Brooklyn, New York.

Contract plans sheets 1 to 16.

Plans may be seen and detailed specifications, engineers' estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the City of Albany or New York, issued by a national or State bank (or trust company in the case of terminal contract), in good credit within the State and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a. m. for issue mailed the next day

PROPOSALS

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

PROPOSALS FOR LEVEE WORK.—Mississippi River Commission, U. S. Engineer Office, Customhouse, Memphis, Tenn.—Sealed proposals will be received here until 11 o'clock A.M., Aug. 24, 1917, and then publicly opened, for constructing about 3,400,000 cubic yards of earthwork in the Upper and Lower St. Francis and White River Levee Districts. Further information on application.

PROPOSALS

Bids received until September 10, 1917.

North Hill Viaduct

FOR SUMMIT COUNTY

Akron, Ohio

Sealed proposals to be filed Margaret Rebel, Clerk, will be received by the Board of County Commissioners of Summit County, at Akron, Ohio, up to 11:00 A. M. central time, September 10th, 1917, for furnishing the materials and performing the labor necessary for the construction of the North Hill Viaduct, in Akron, Ohio.

The viaduct will be of reinforced concrete with an over-all length of about 2,790 feet, consisting of 16 arch spans varying in length from 116 feet to 191 feet, and of 12 short girder spans. A roadway 52 feet wide and two sidewalks, each 10 feet wide are provided. Certain piers will rest on sand and gravel; others on concrete piles.

Payments will be made in cash and monthly estimates will be rendered. All bids shall be accompanied by a check of the bidder, certified to by a solvent bank in the State of Ohio, made payable to Board of County Commissioners, for an amount of five per cent. of the bid, to be forfeited as liquidated damages (but not a penalty) by any bidder who is awarded a contract and who fails promptly and properly to execute the contract and bond. Upon the execution of the contract and bond by the successful bidder, said check will be returned to him and the checks of unsuccessful bidders will be returned to them. The contract will be awarded to the lowest responsible and competent bidder, but the Board reserves the right to reject any and all bids and to waive informalities.

Conforming to Ohio General Code, bids will also be received on alternate designs prepared by the bidder, providing certain requirements are complied with.

Plans and specifications are on file in the office of the County Auditor, Akron, Ohio, and in the office of Harrington, Howard & Ash, Consulting Engineers, Kansas City, Missouri. Copies of the plans and specifications may be secured from the Consulting Engineers by depositing twenty-five dollars. Such plans and specifications are to be returned upon request, at which time refund of twenty dollars will be made.

Bids received until August 17, 1917.

Concrete Bridge

Hampton, N. Y.

Bids will be received by the undersigned until two o'clock P.M., August 17th, at the Town Hall in Hampton, N. Y., for the construction of a steel reinforced-concrete arch bridge across the Poultney River at Leonard's. Plans and specifications can be obtained at the Allen Bank in Fair Haven, Vt., or at the town clerk's office, Hampton, N. Y. The right to reject any or all bids is reserved.

E. S. DOUGLASS,
Supt. Highways, Hampton, N. Y.
SELECTMEN, Fair Haven, Vt.

SEALED PROPOSALS will be opened by the Lighthouse Inspector, Buffalo, N. Y., at 2 o'clock p.m., August 20, 1917, for furnishing metal work for one steel tower. Information upon application to the above office.